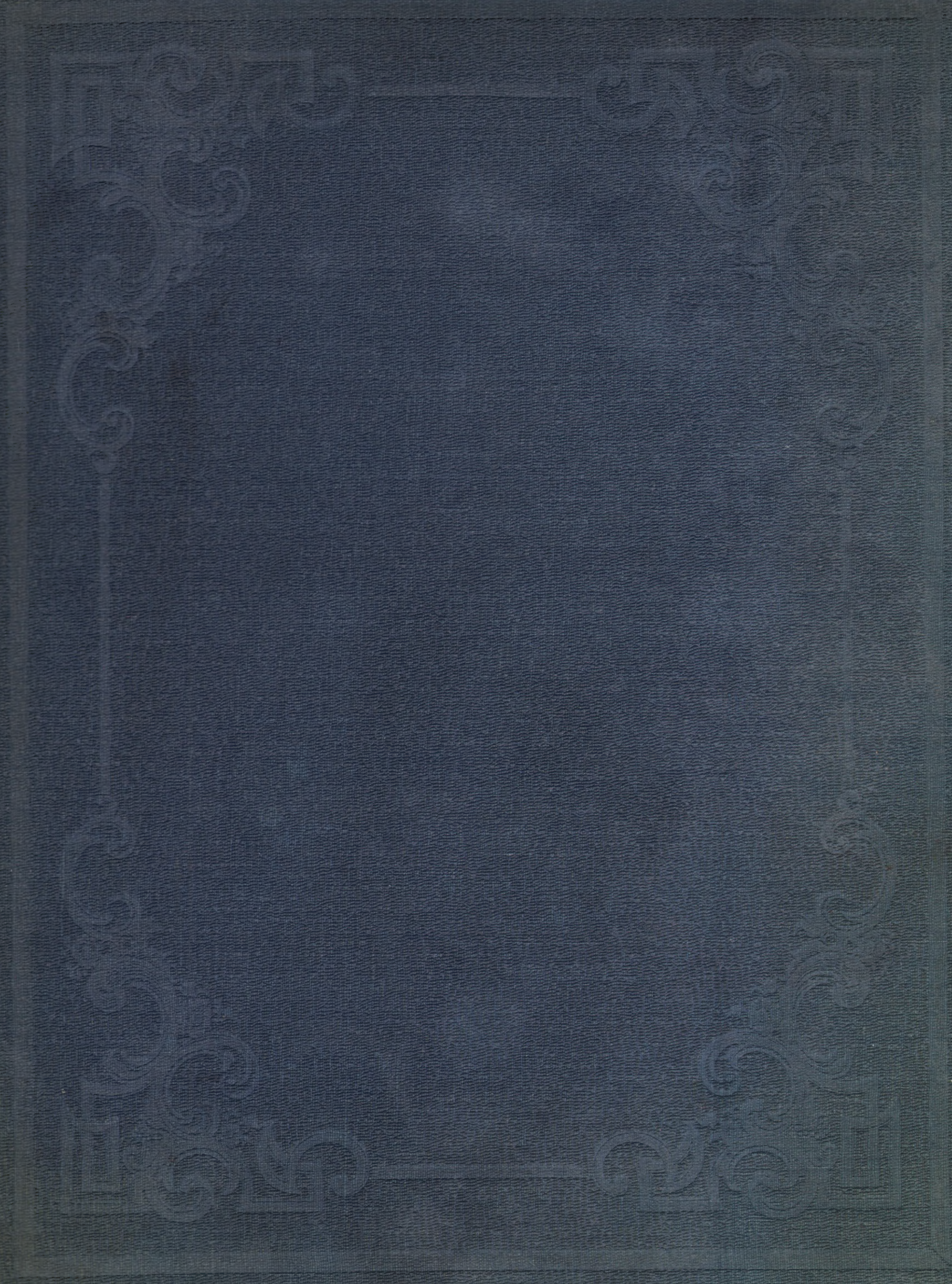


LEVELLING IN SCOTLAND — PLATES.



TIDAL STATIONS

Diagram shewing the different levels of "mean water" at the Tidal Stations above or below the general average. The diameter of each circle represents one foot: thus at Ayr the mean water is about five inches below the general mean; at Dundee it is about three inches above.



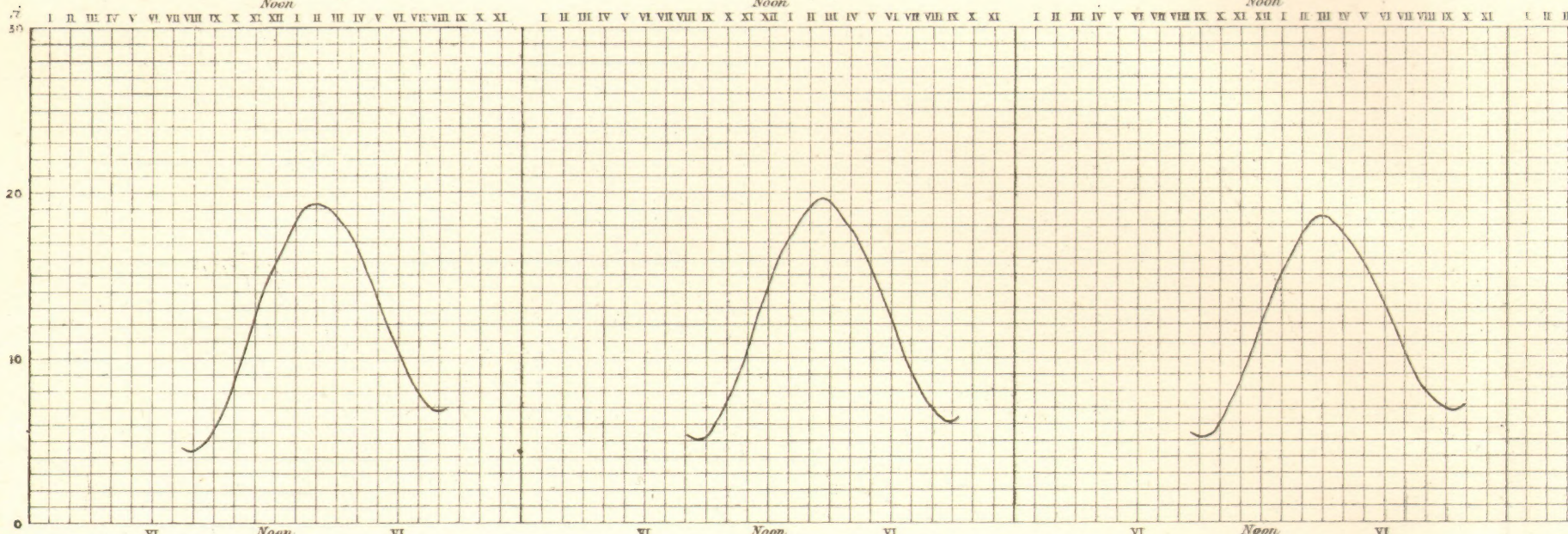
ABERDEEN

1859

August 29th
Wind S.E. Stormy
Noon

August 30th
Wind S.E. Stormy
Noon

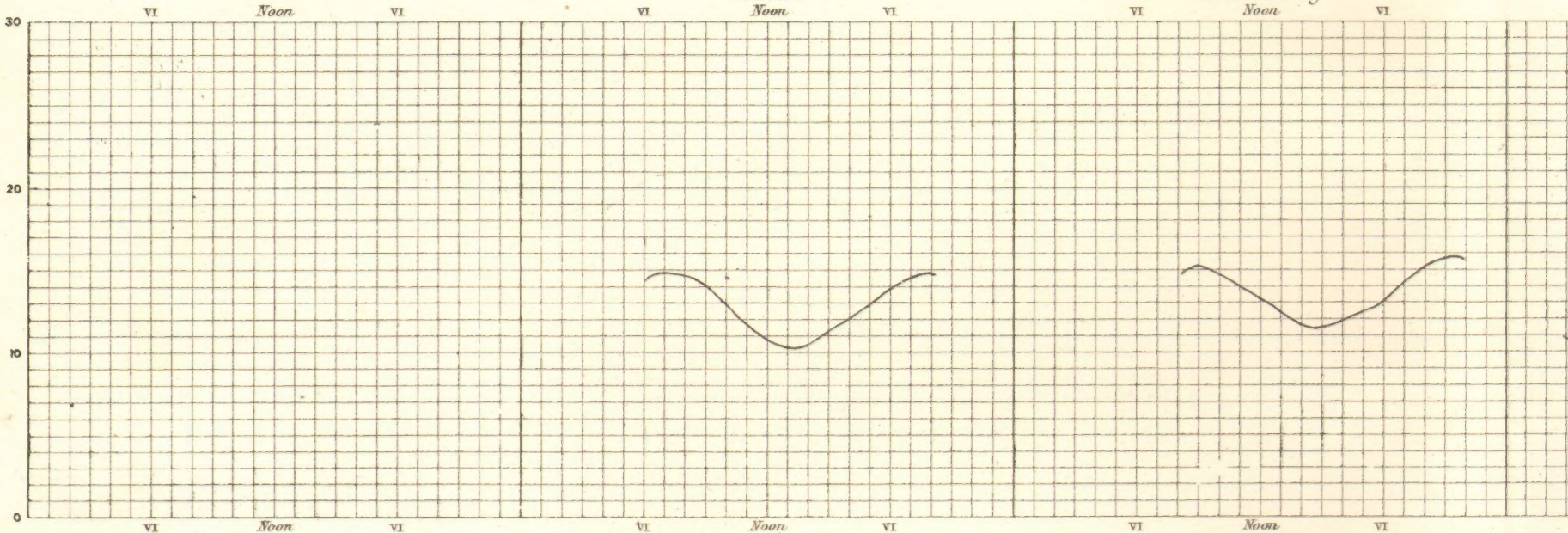
August 31st
Wind S.W. Calm
Noon



September 4th

September 5th

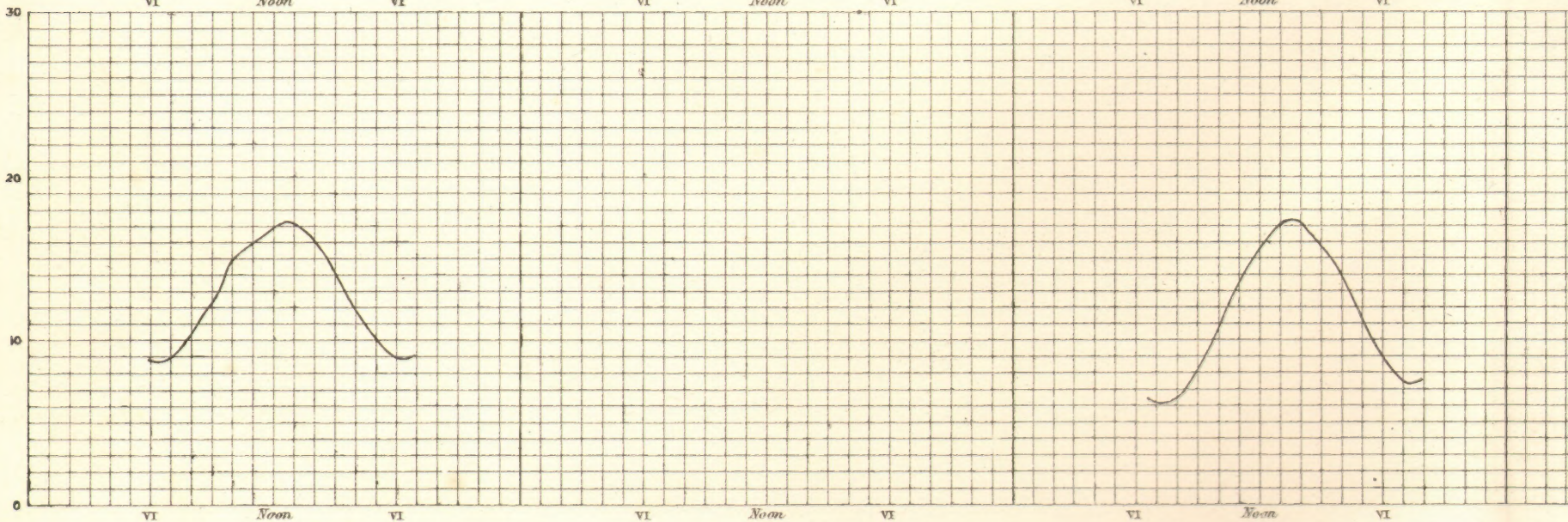
September 6th



September 10th
Wind N.W.
Noon

September 11th
Wind S.E.
Noon

September 12th
Wind S.
Noon



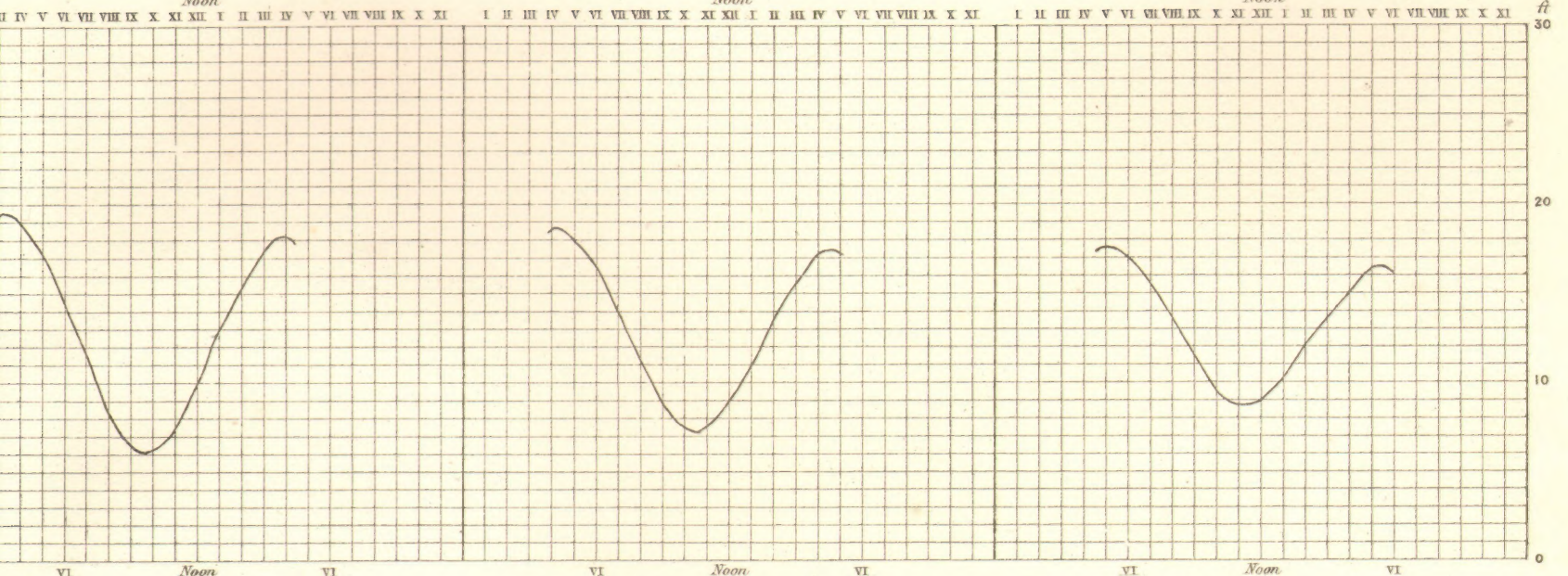
ABERDEEN

1859

September 1st
Wind S.W.
Noon

September 2nd
Wind W.
Noon

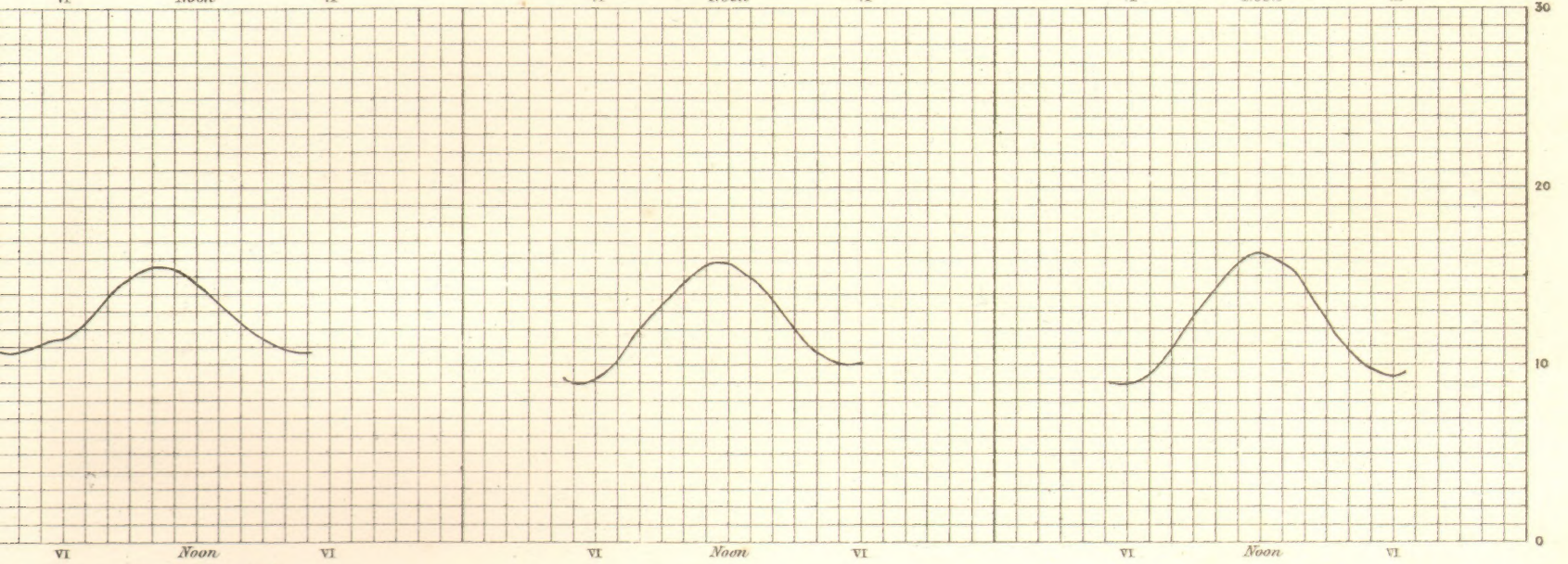
September 3rd
Wind S.W.
Noon



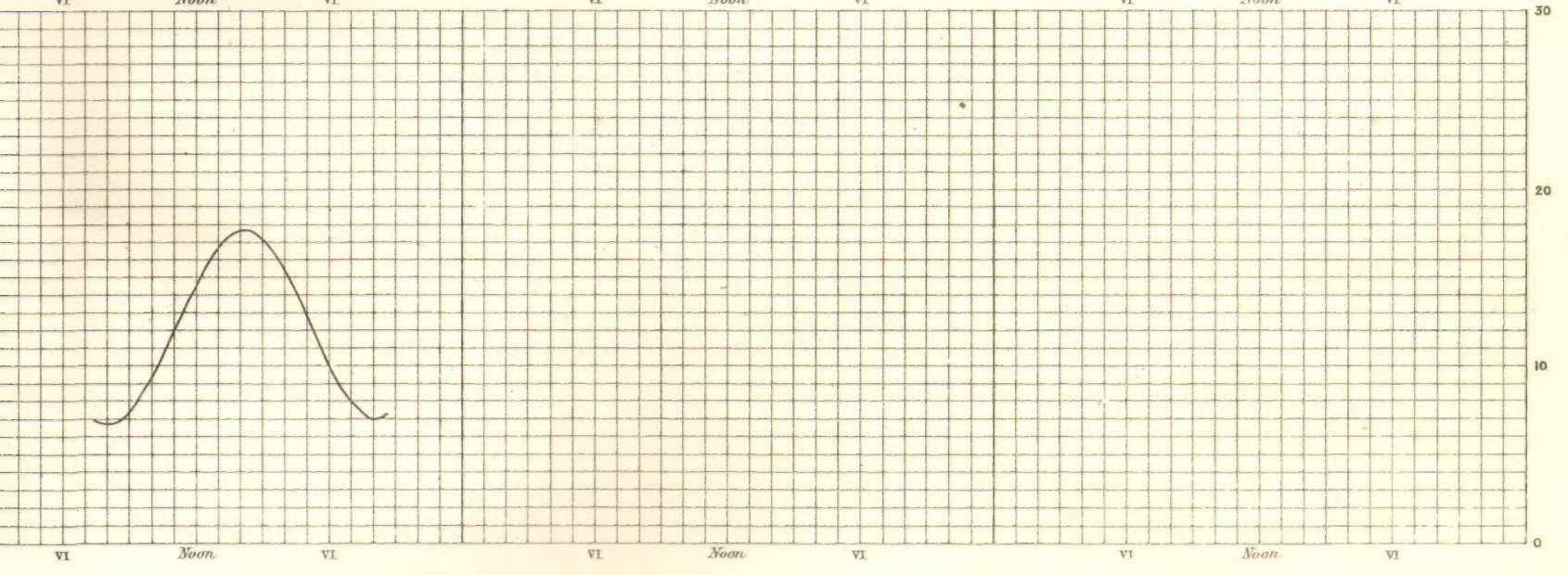
September 7th
Wind W. Calm
Noon

September 8th
Wind W. Calm
Noon

September 9th
Wind W. Stormy
Noon



September 13th
Wind S.E.
Noon



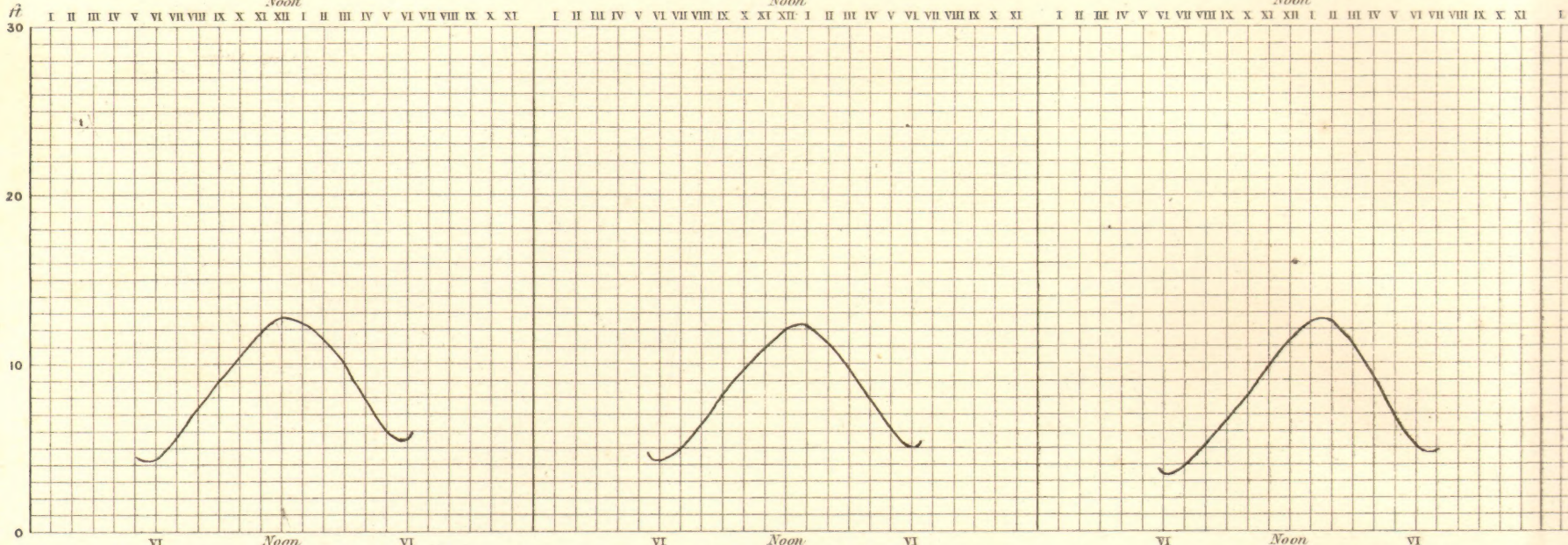
ARDROSSAN

1859

September 12th
Wind S.E. Fair
Noon

September 13th
Wind S.E.
Noon

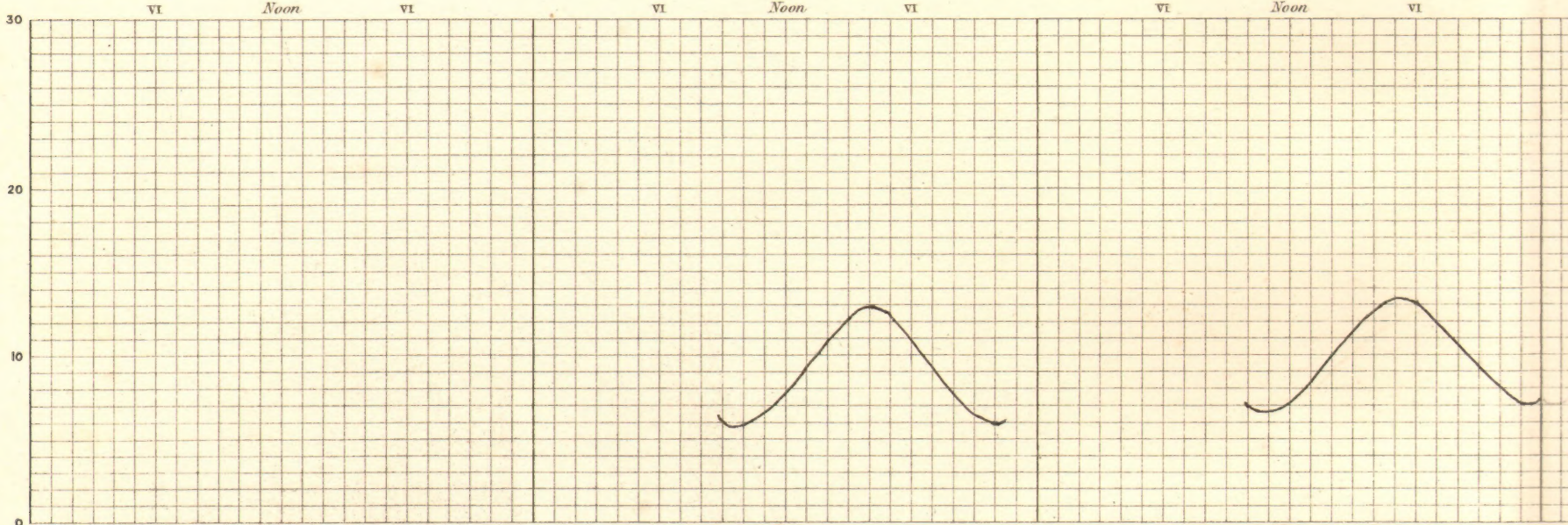
September 14th
Wind N.W. Light breeze
Noon



September 18th

September 19th
Wind N.W. Light breeze
Noon

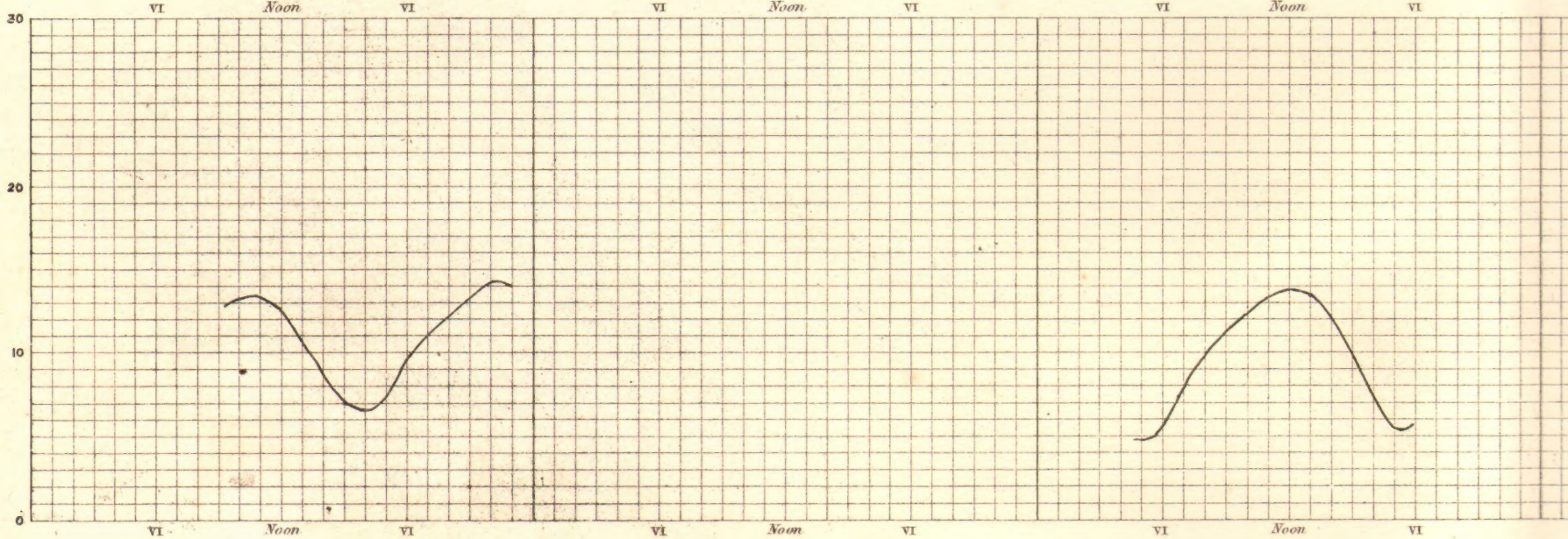
September 20th
Wind S.W.
Noon



September 24th
Wind S.S.W. Calm
Noon

September 25th
Noon

September 26th
Wind S.W. Stormy
Noon

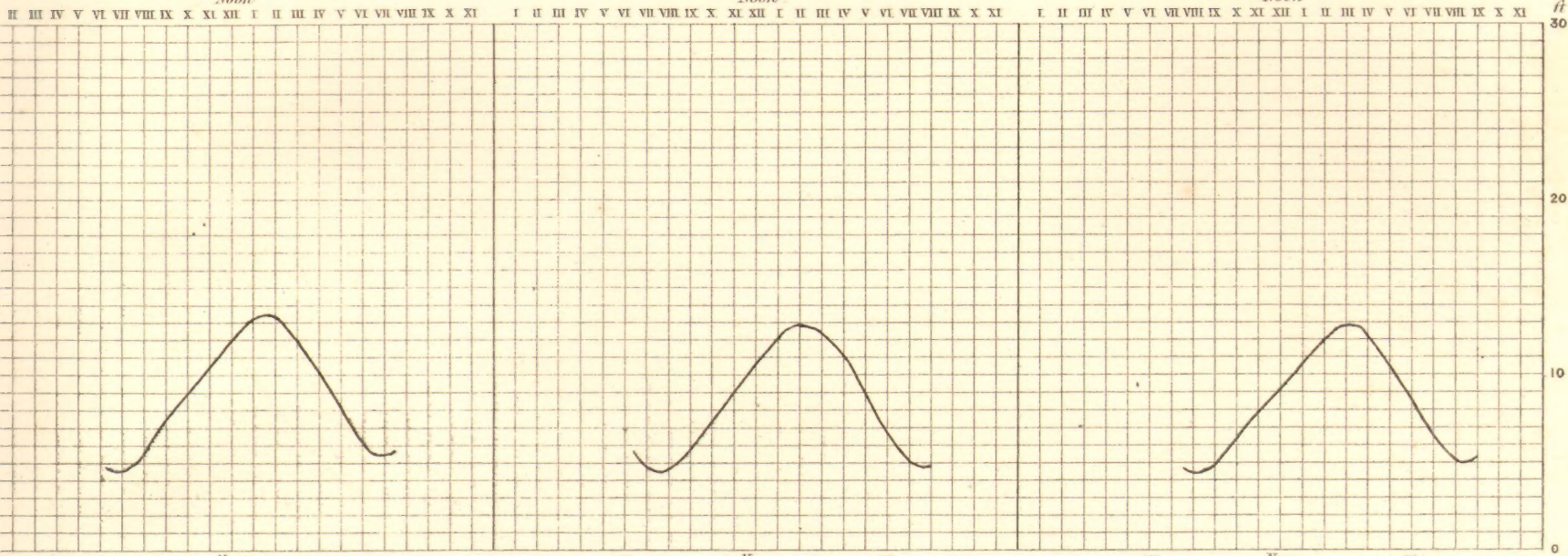


1859

September 15th
Wind N.E. Calm
Noon

September 16th
Wind E.
Noon

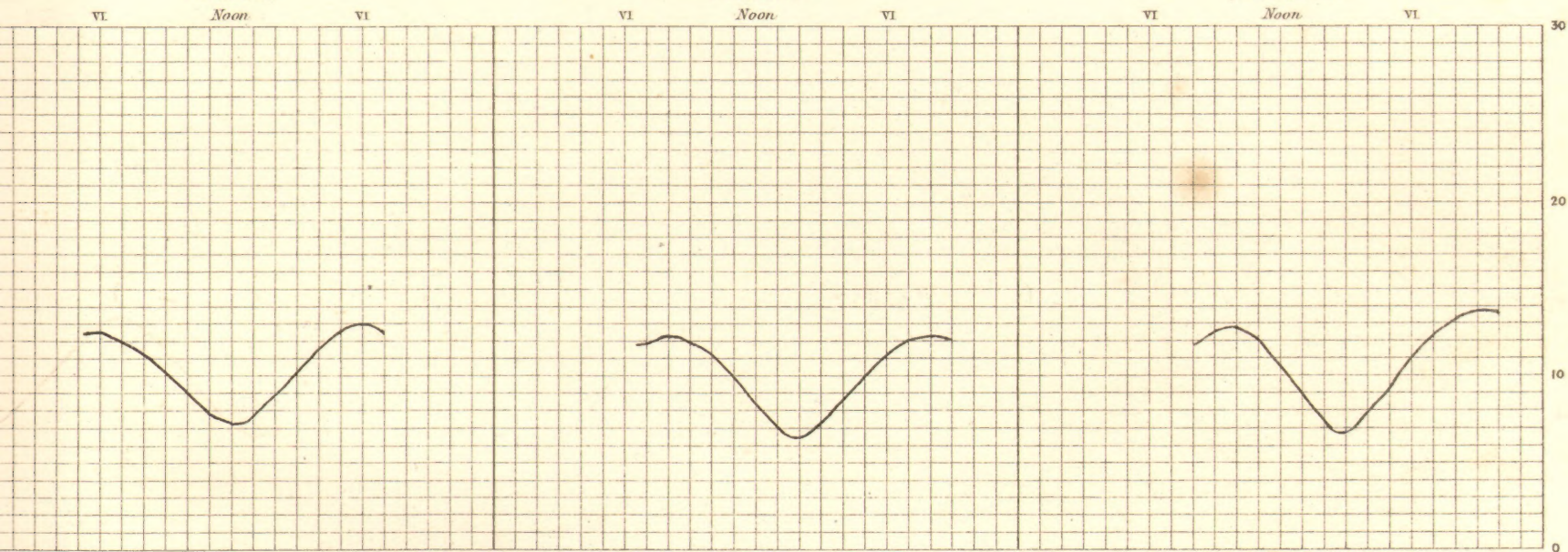
September 17th
Calm
Noon



September 21st
Wind S.W.
Noon

September 22nd
Wind N.W.
Noon

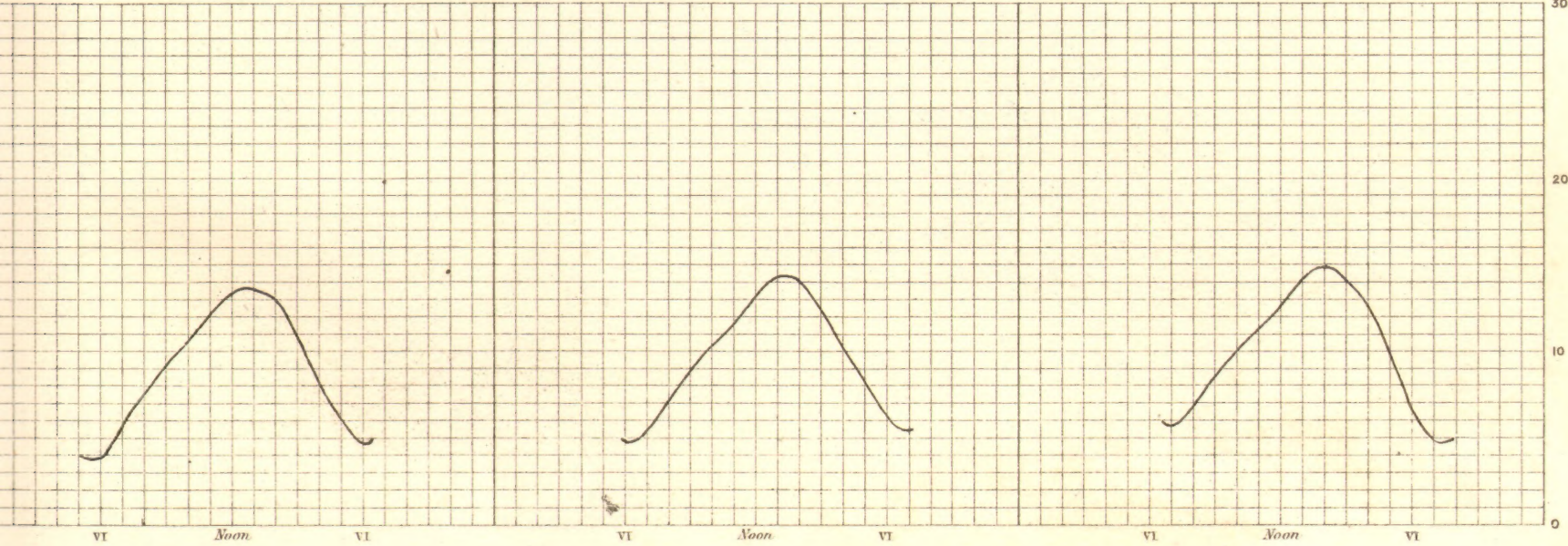
September 23rd
Wind S.S.W.
Noon



September 27th
Wind W.S.W. Light breeze
Noon

September 28th
Wind S.
Noon

September 29th
Wind S.W. Stormy
Noon



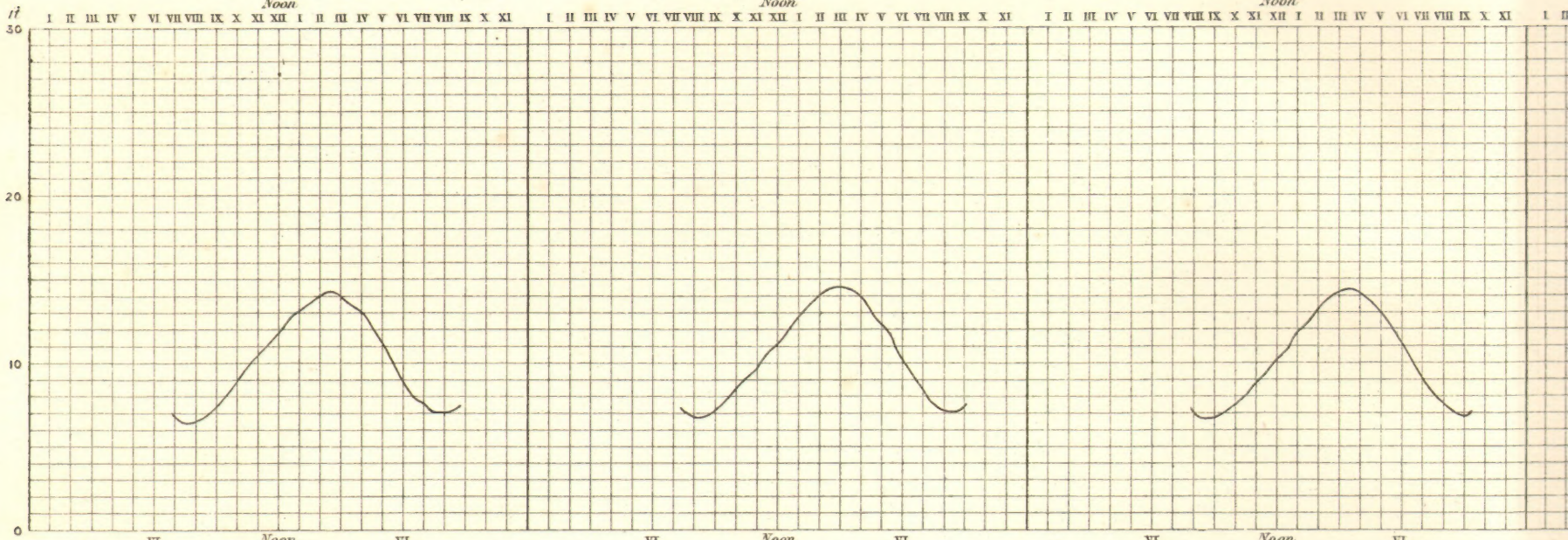
A Y R

1859

August 17th
Wind W. Calm
Noon

August 18th
Wind S. Calm
Noon

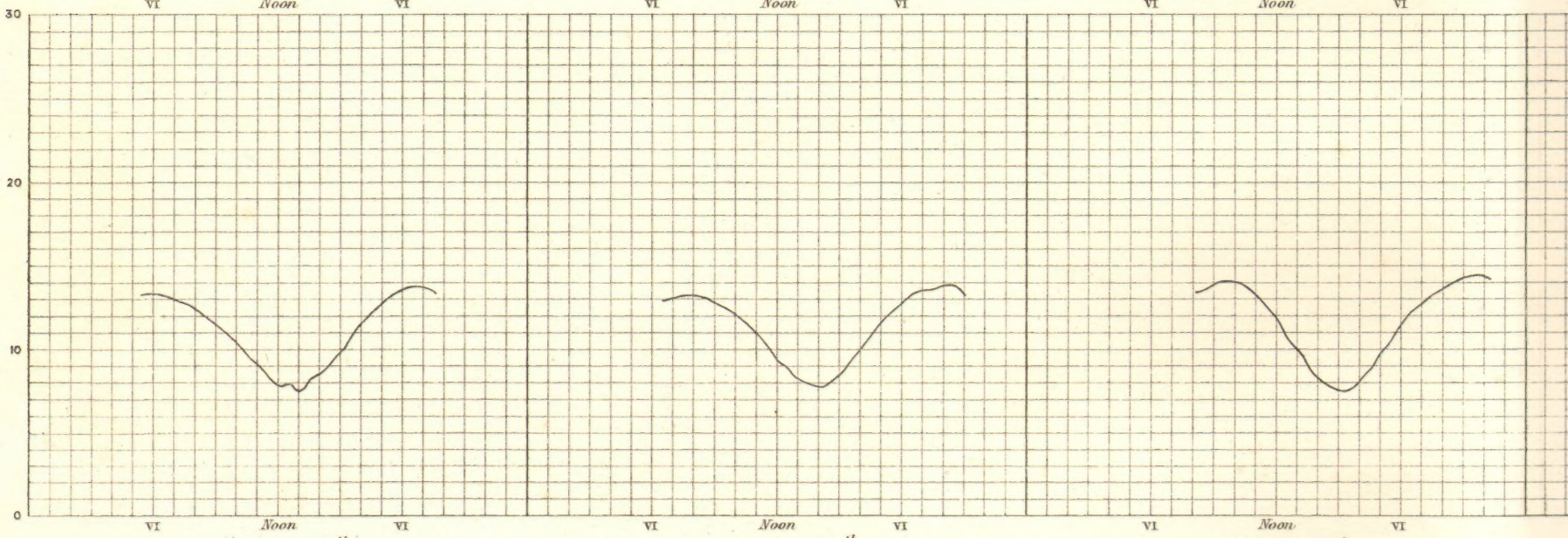
August 19th
Calm
Noon



August 23rd
Wind S.W. Calm
Noon

August 24th
Wind S. Calm
Noon

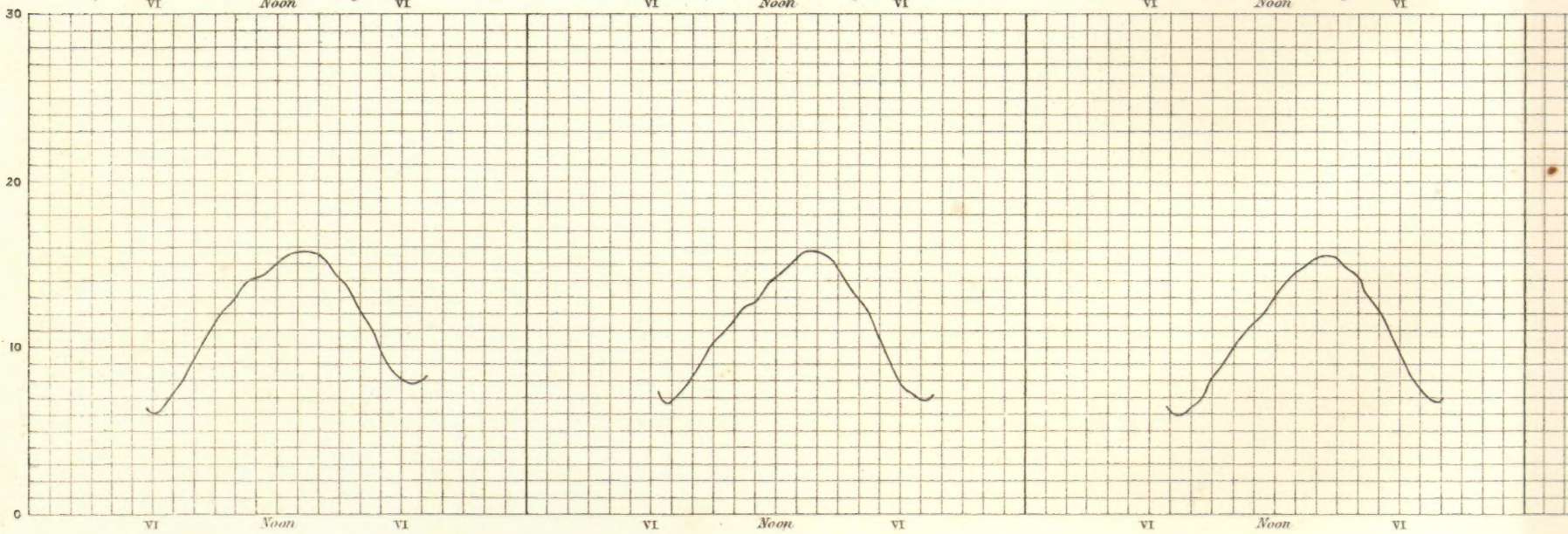
August 25th
Wind S.W. Calm
Noon



August 29th
Wind S.W. Stormy
Noon

August 30th
Wind S.W. Stormy
Noon

August 31st
Wind W. Stormy
Noon

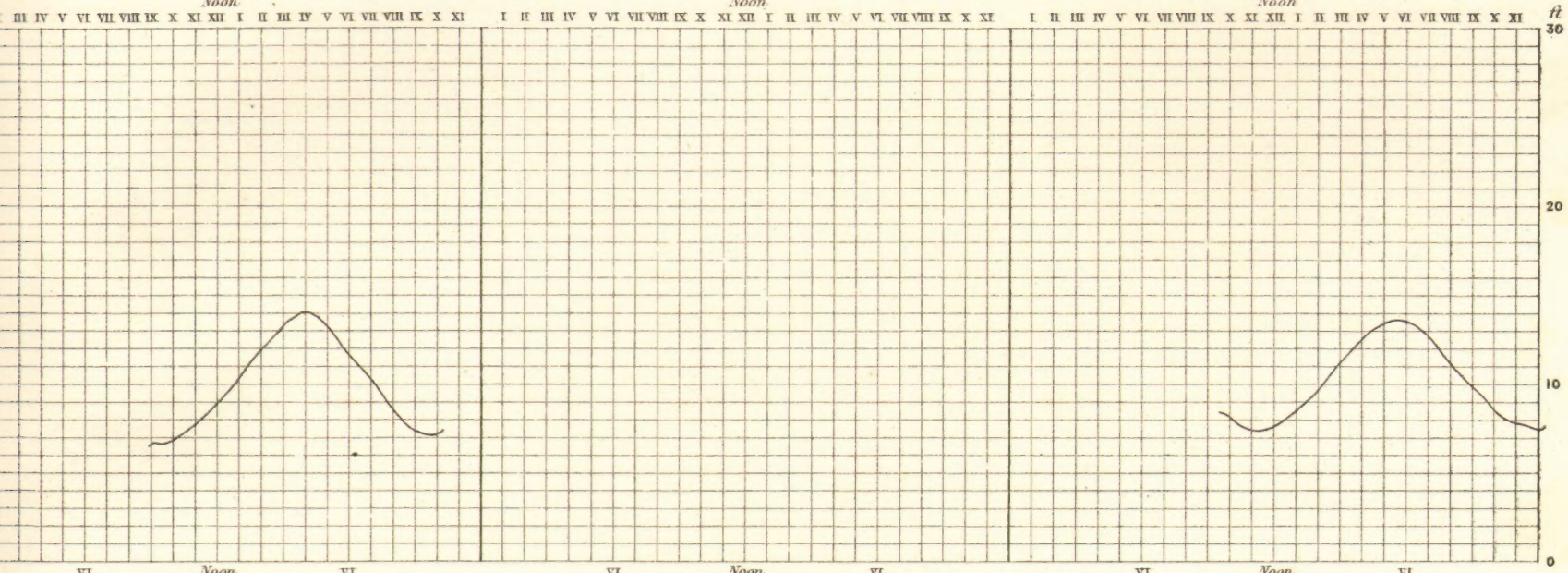


1859

August 20th
Wind N.W. Slight breeze
Noon

August 21st
Noon

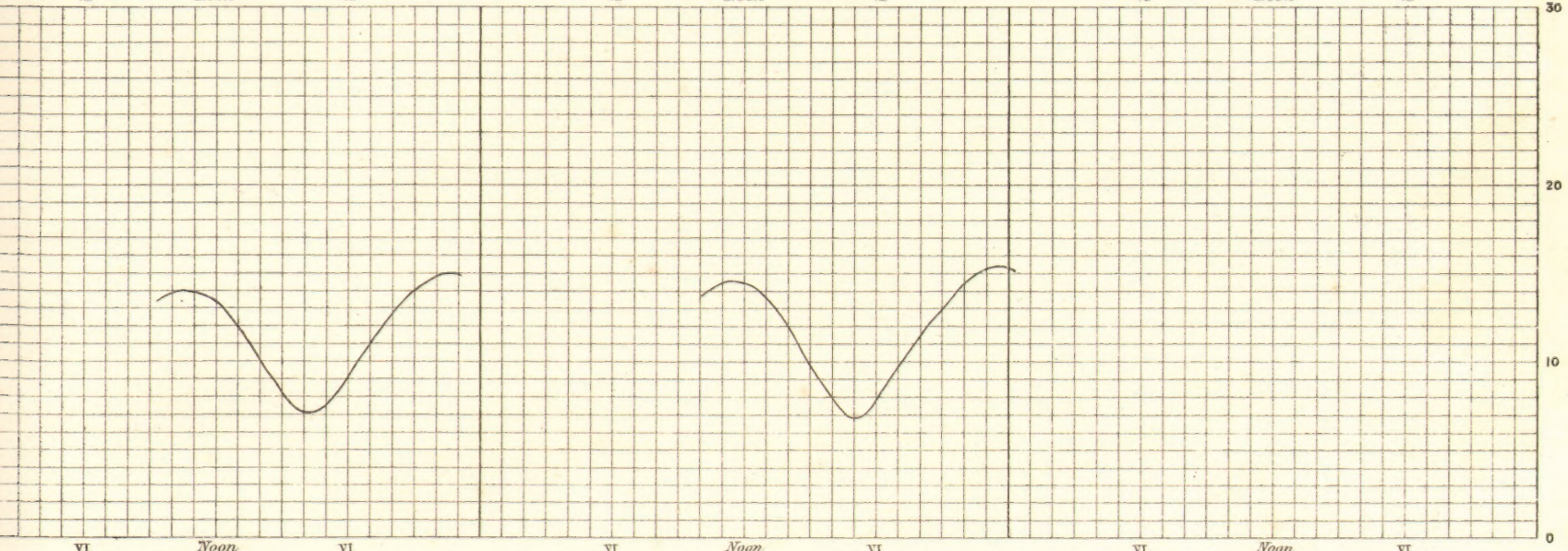
August 22nd
Wind S.W. Slight breeze
Noon



August 26th
Wind N.W. Calm
Noon

August 27th
Wind S.W. Calm
Noon

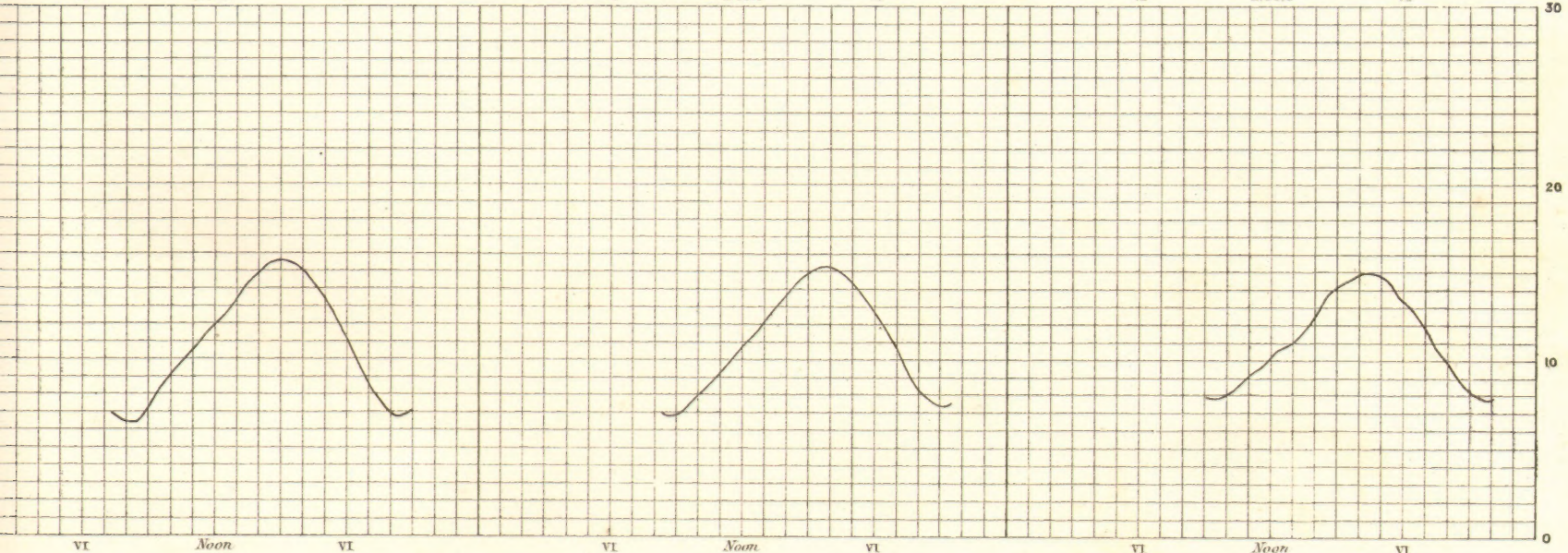
August 28th
Noon



September 1st
Wind N.W.
Noon

September 2nd
Wind S.W. Slight breeze
Noon

September 3rd
Wind S.W. Light breeze
Noon

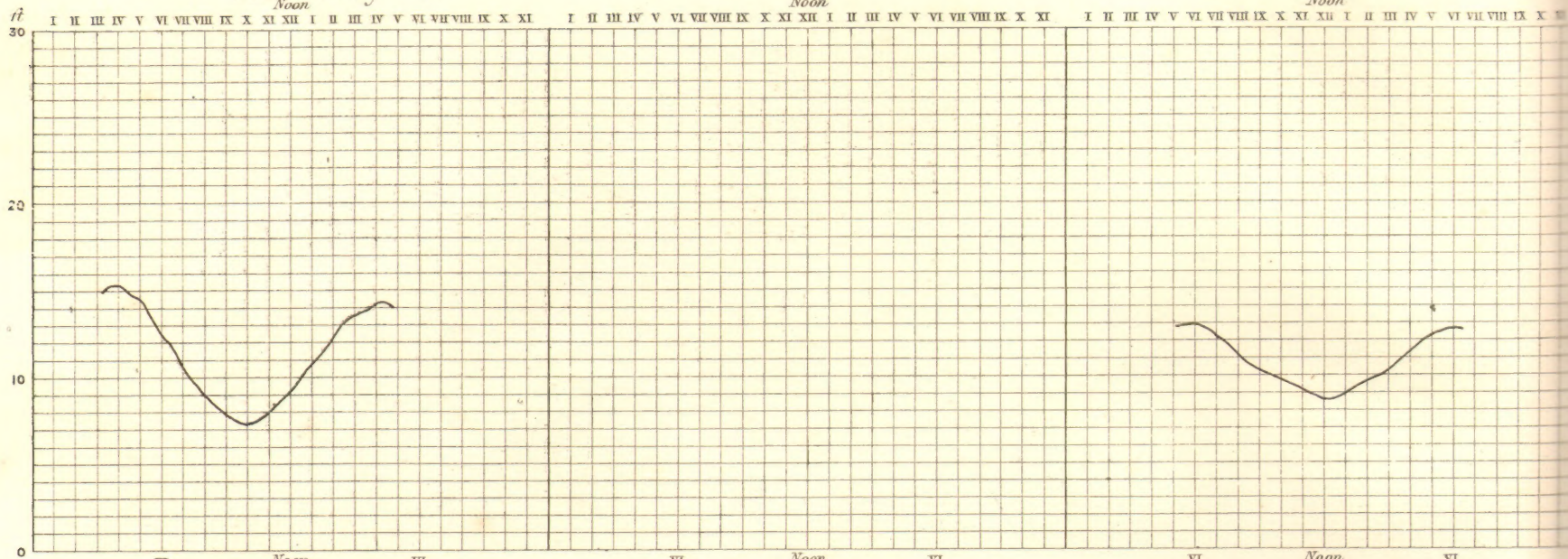


BANFF

1859
September 4th

September 3rd
Wind S. Stormy
Noon

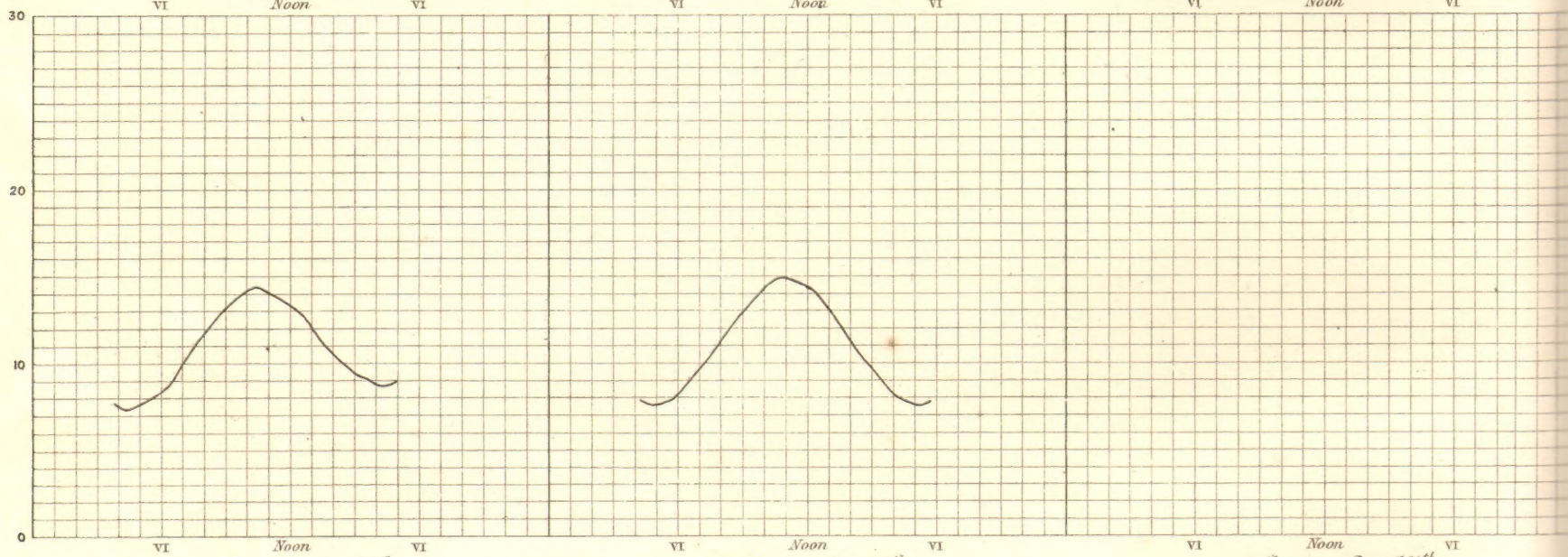
September 5th
Wind S.E.
Noon



September 9th
Wind S.W. Stormy
Noon

September 10th
Wind N.W. Stormy
Noon

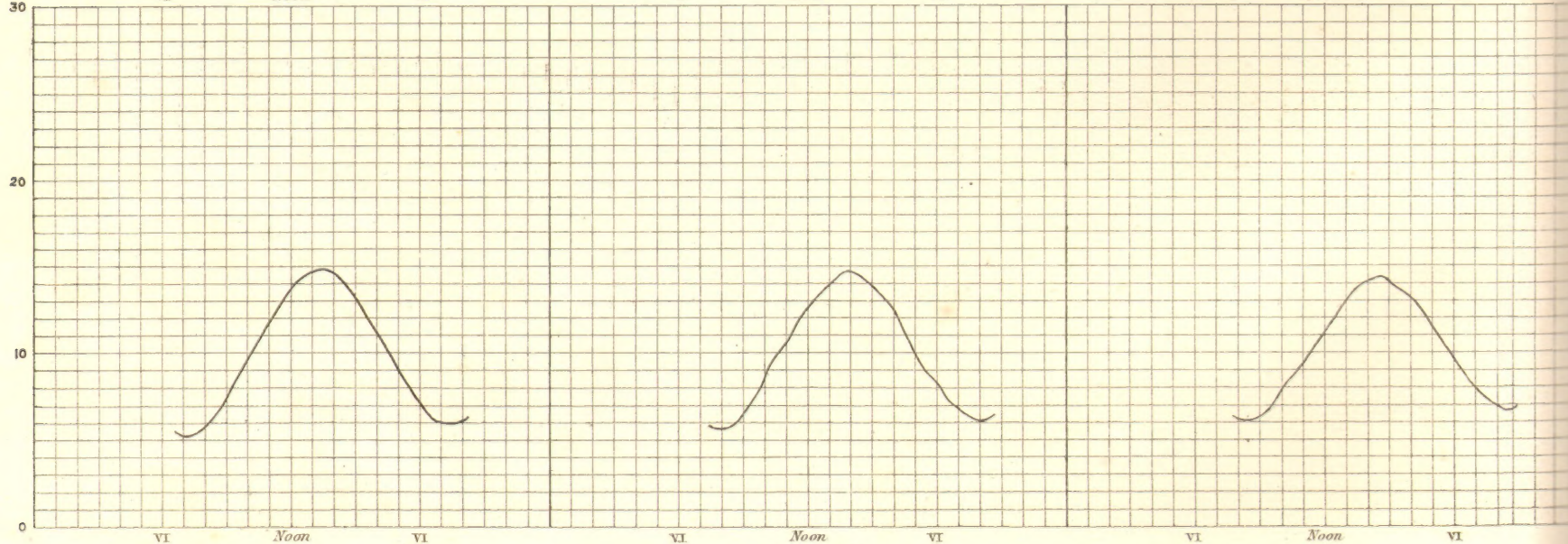
September 11th
Noon



September 15th
Wind N.E. Light breeze
Noon

September 16th
Wind E.
Noon

September 17th
Wind N.E. Fair
Noon

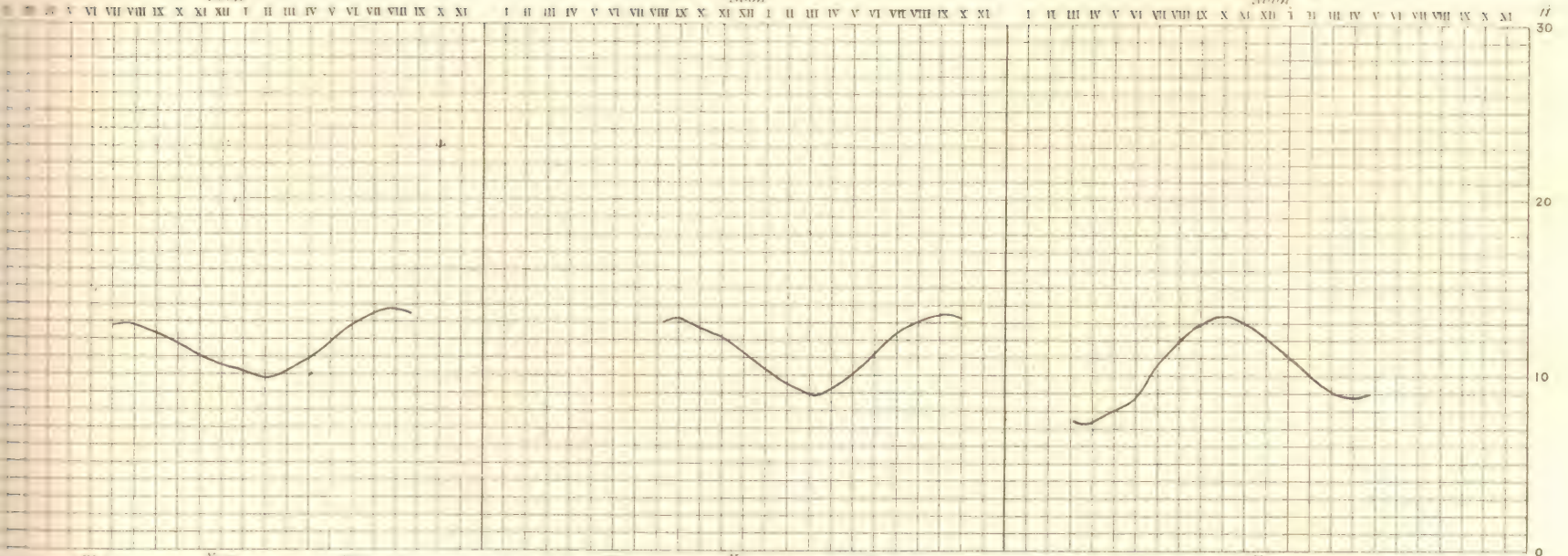


1859

September 6th
Wind S.
Noon

September 7th
Wind W. Fair
Noon

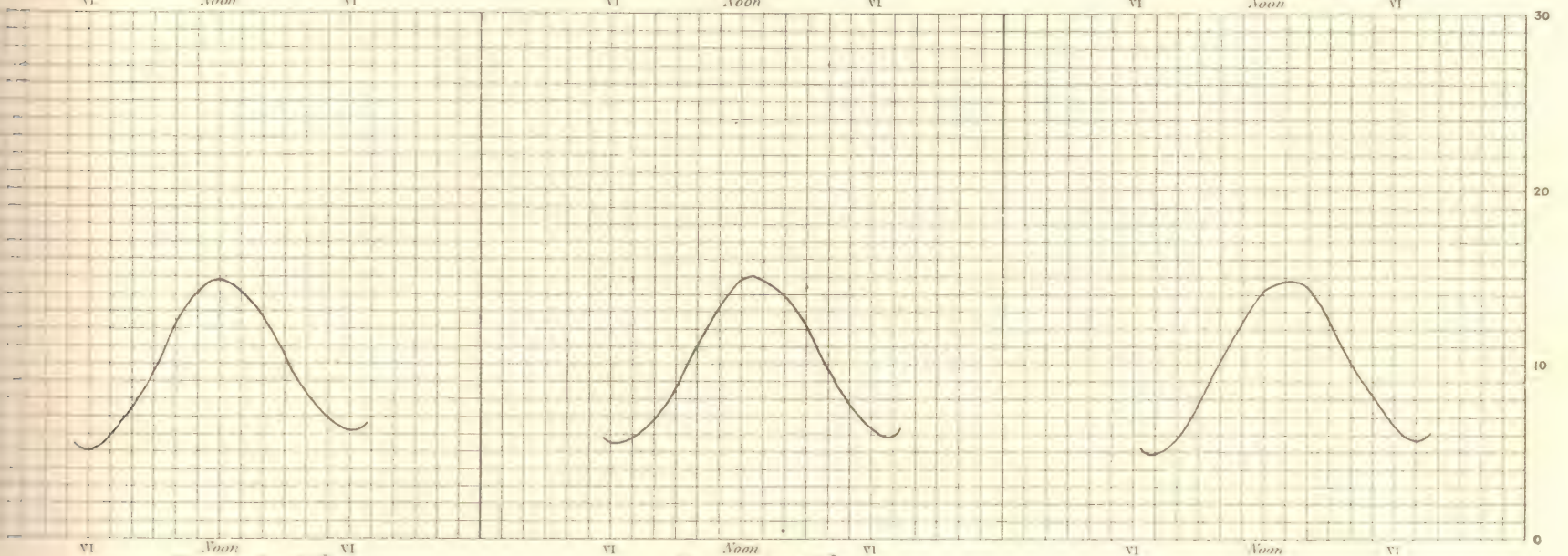
September 8th
Wind S.W.
Noon



September 12th
Wind S. Stormy
Noon

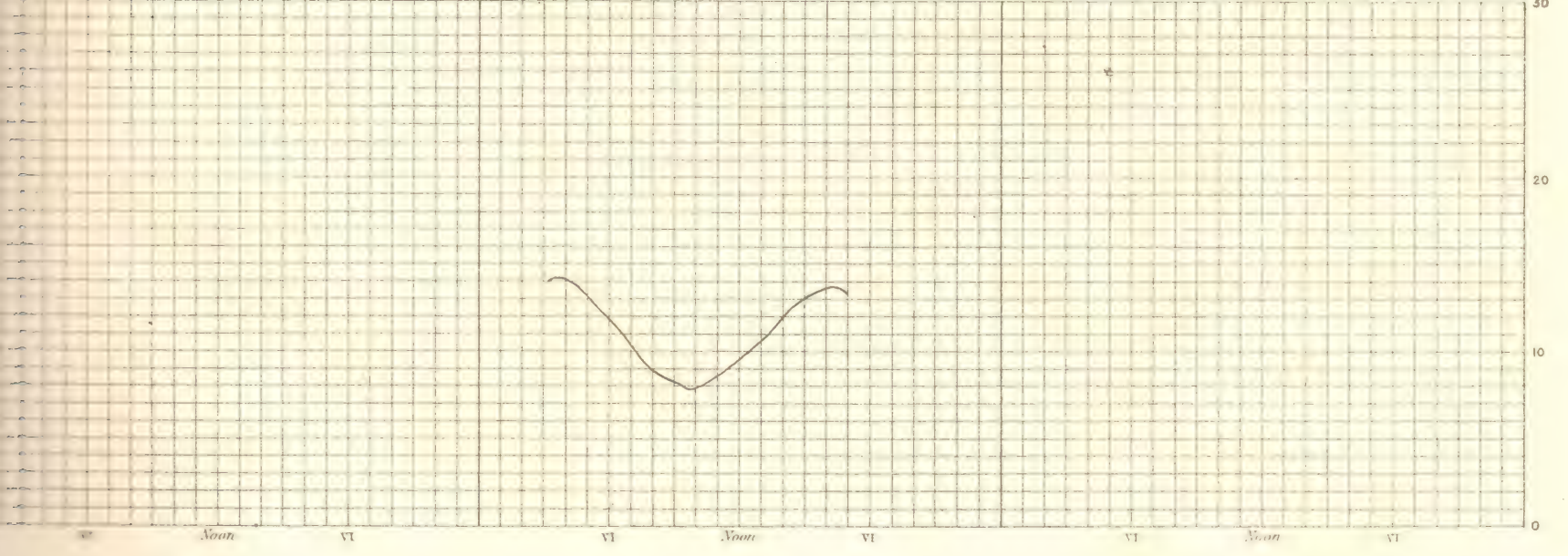
September 13th
Wind S.
Noon

September 14th
Wind N.W. Light breeze
Noon



September 18th
Noon

September 19th
Wind N.W. Fair
Noon



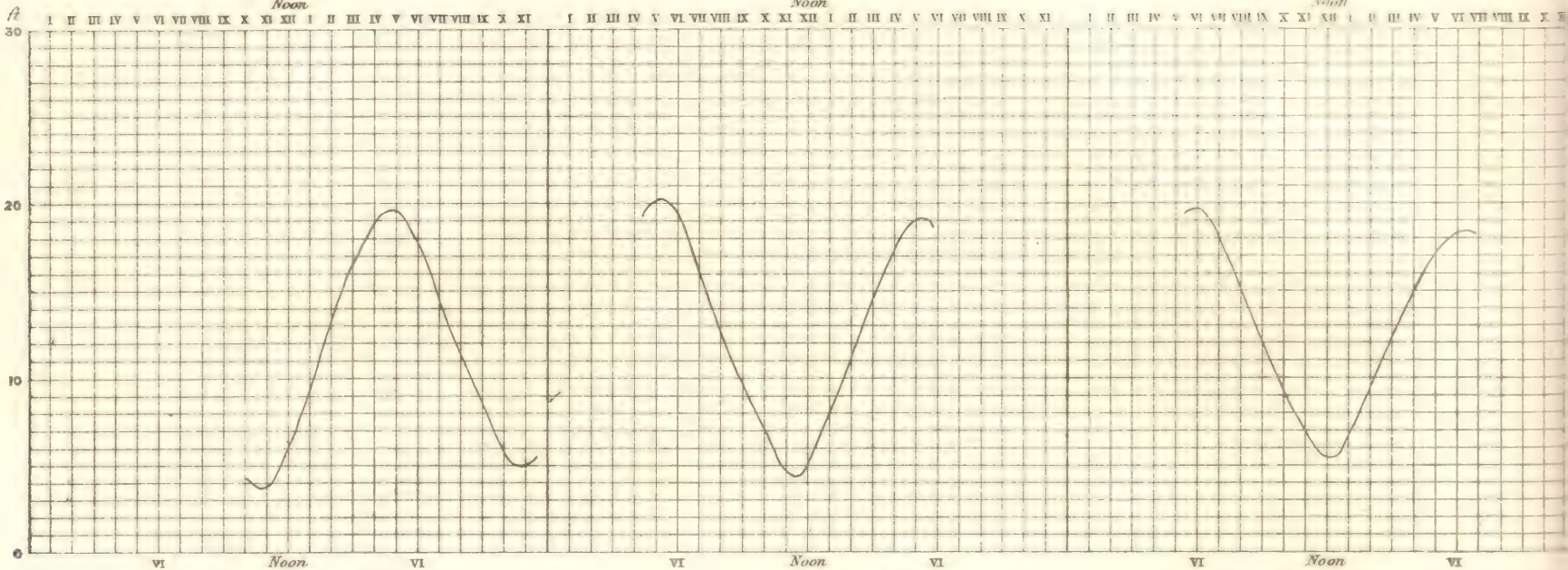
DUNDEE

1859

August 31st
Wind NE Stormy
Noon

September 1st
Wind NW
Noon

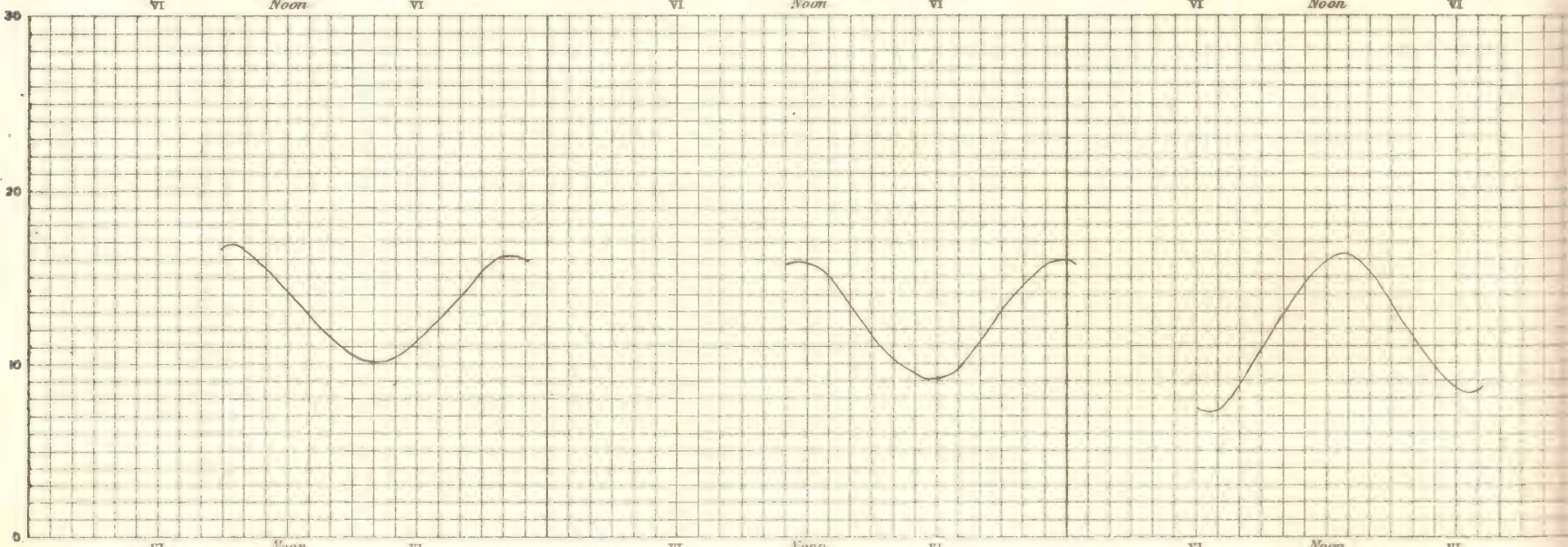
September 2nd
Wind NW
Noon



September 6th
Wind W Fair
Noon

September 7th
Wind W Fair
Noon

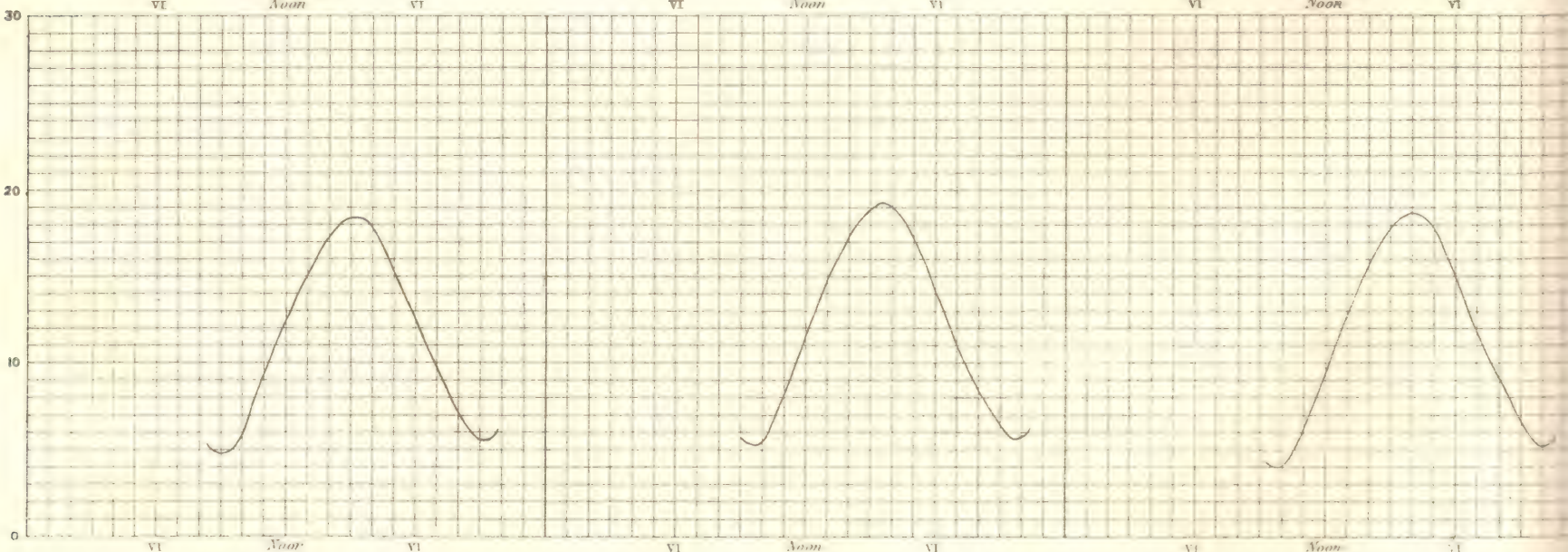
September 8th
Wind NW
Noon



September 12th
Wind E Fair
Noon

September 13th
Wind E Fair
Noon

September 14th
Wind E Fair
Noon



1859

DUNDEE

September 3rd

Wind N W

Noon

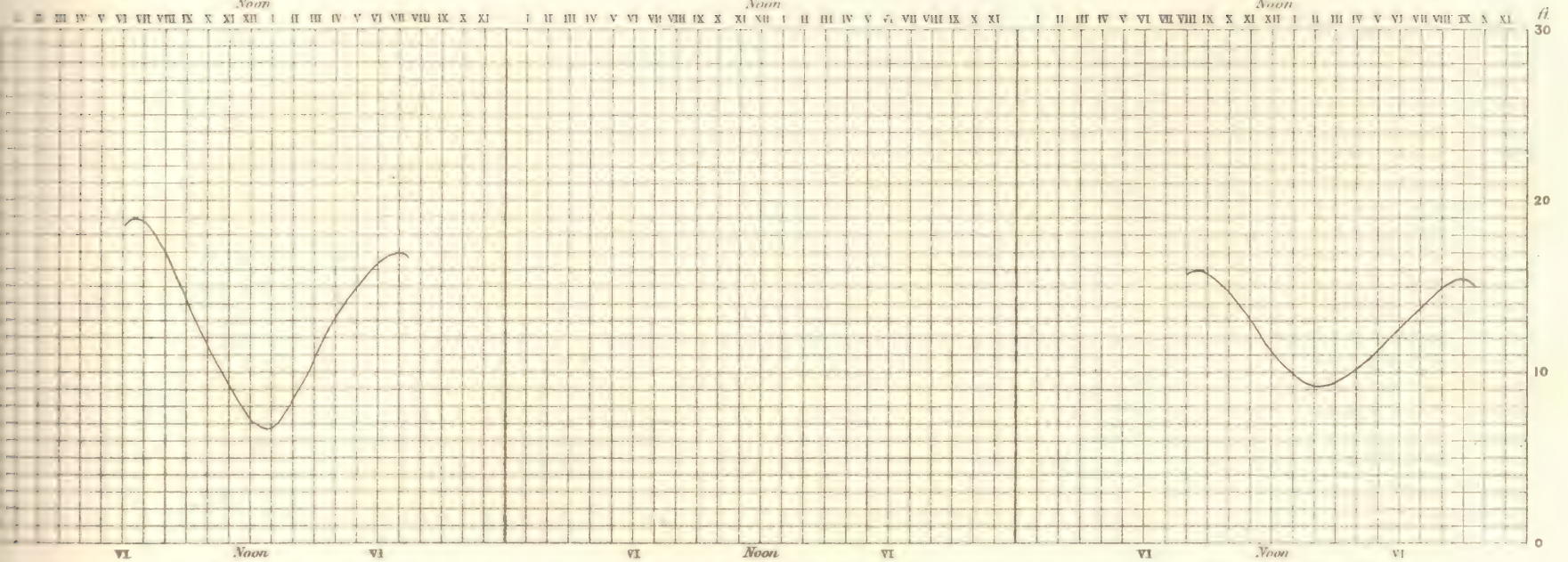
September 4th

Noon

September 5th

Wind S E

Noon



September 9th

Noon

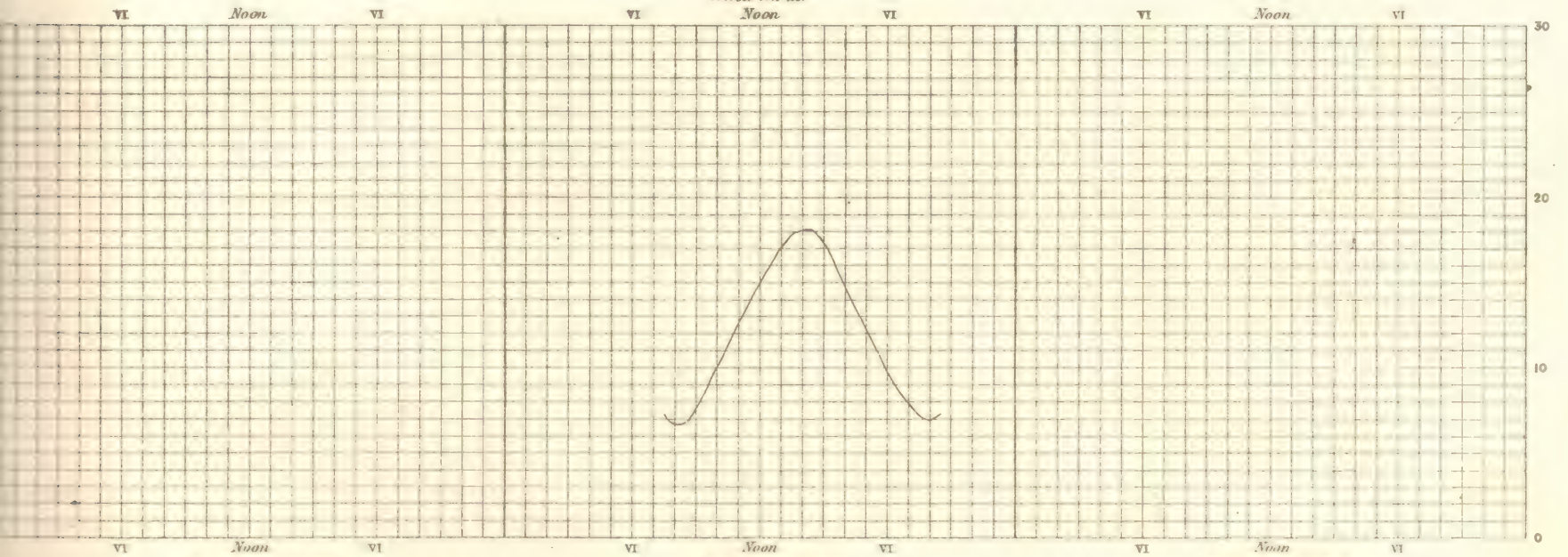
September 10th

Wind W Fair

Noon

September 11th

Noon



September 15th

Wind E Fair

Noon

September 16th

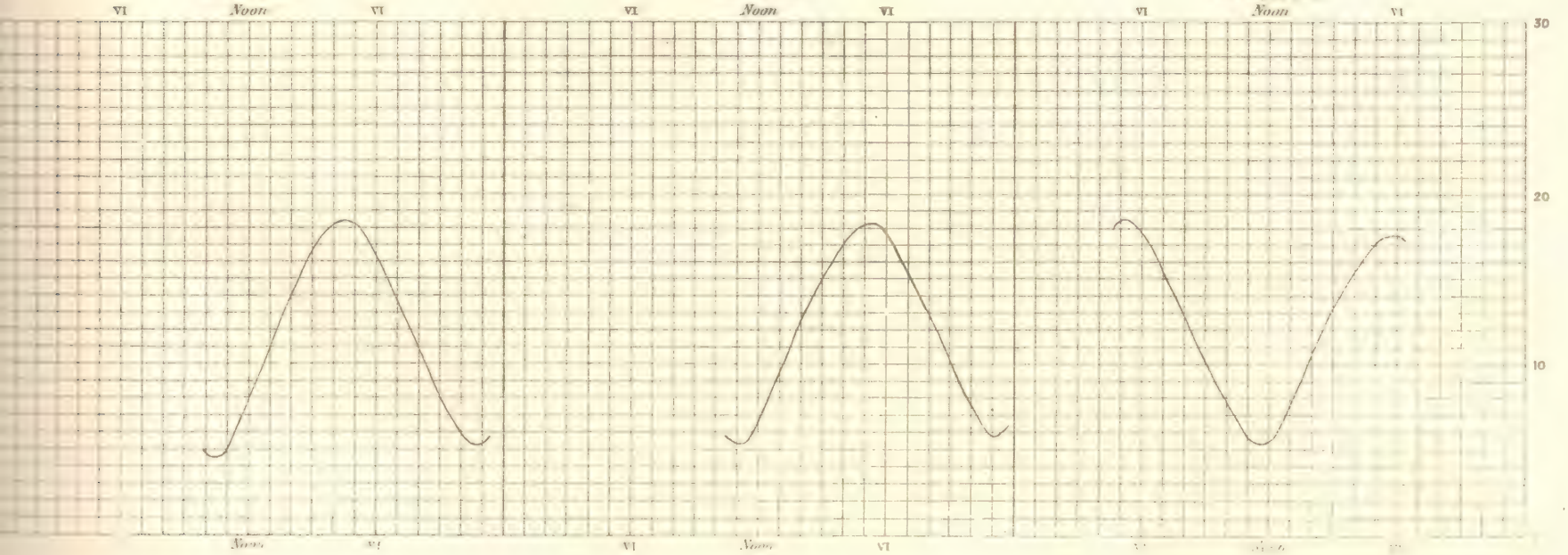
Wind E Fair

Noon

September 17th

Wind S E Fair

Noon



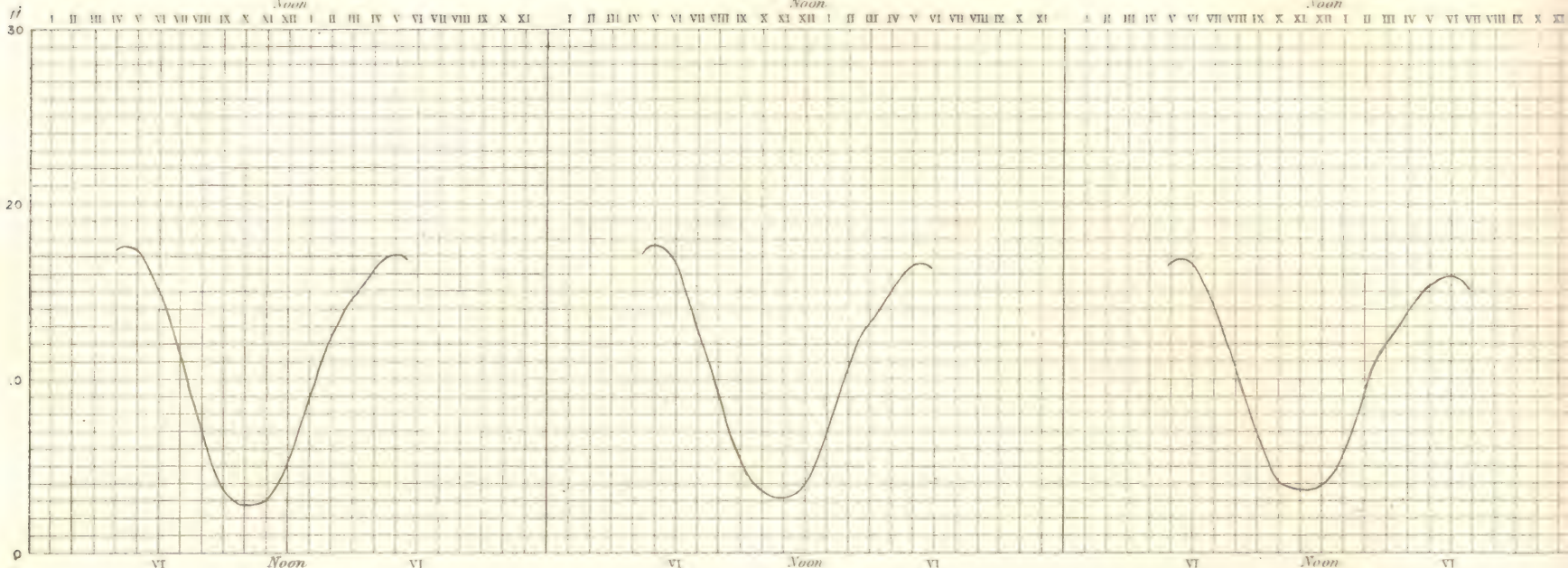
GRANTON

1859

August 17th
Wind S W Showery
Noon

August 18th
Wind S W Fair
Noon

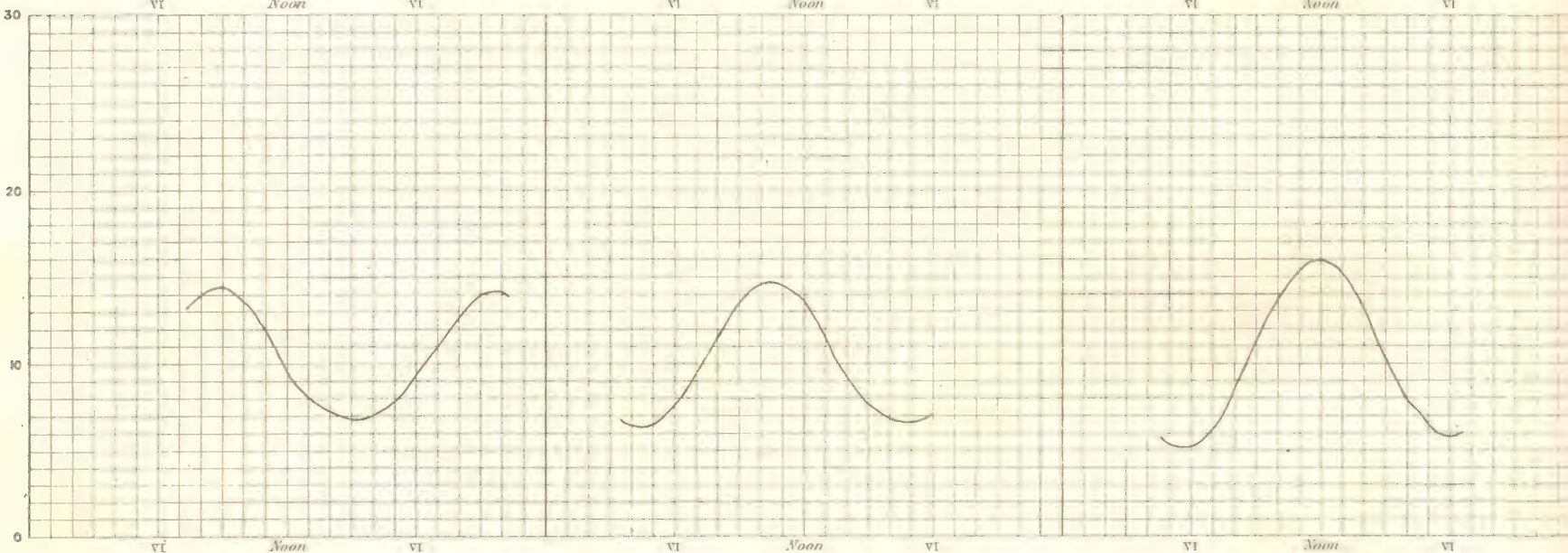
August 19th
Wind S Rainy
Noon



August 23rd
Wind W
Noon

August 24th
Wind N E Fair
Noon

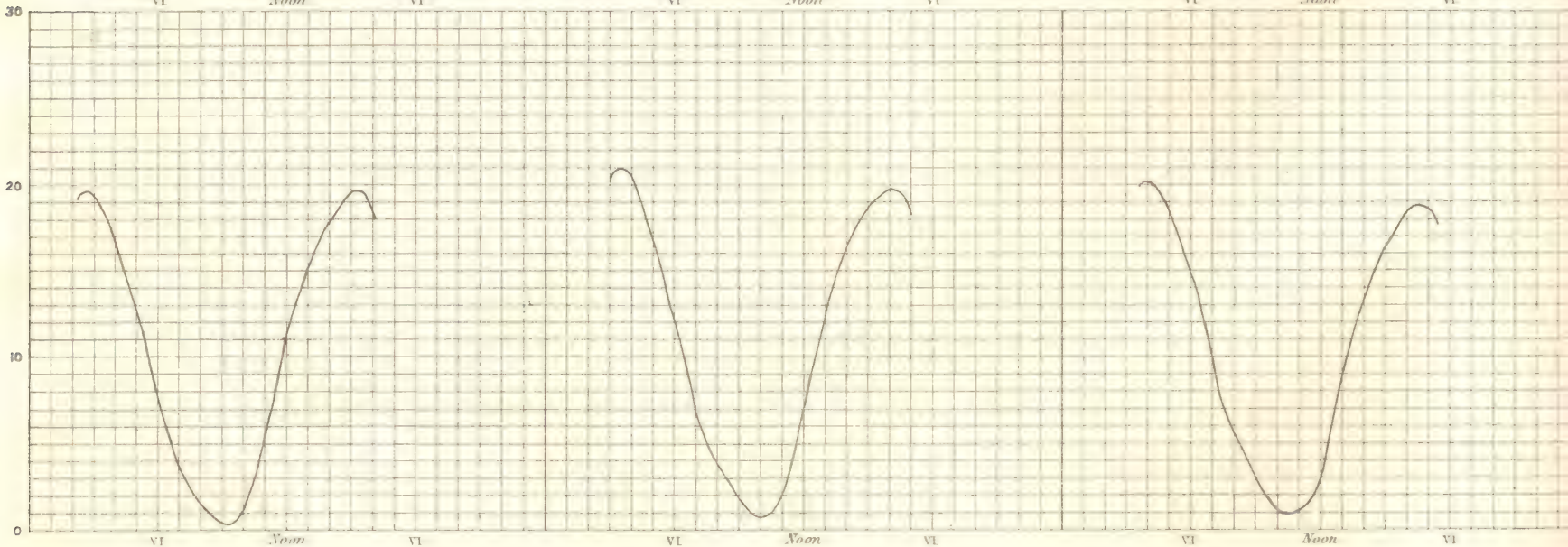
August 25th
Wind S W Fair
Noon



August 29th
Wind W Showery
Noon

August 30th
Wind W
Noon

August 31st
Wind W Stormy
Noon



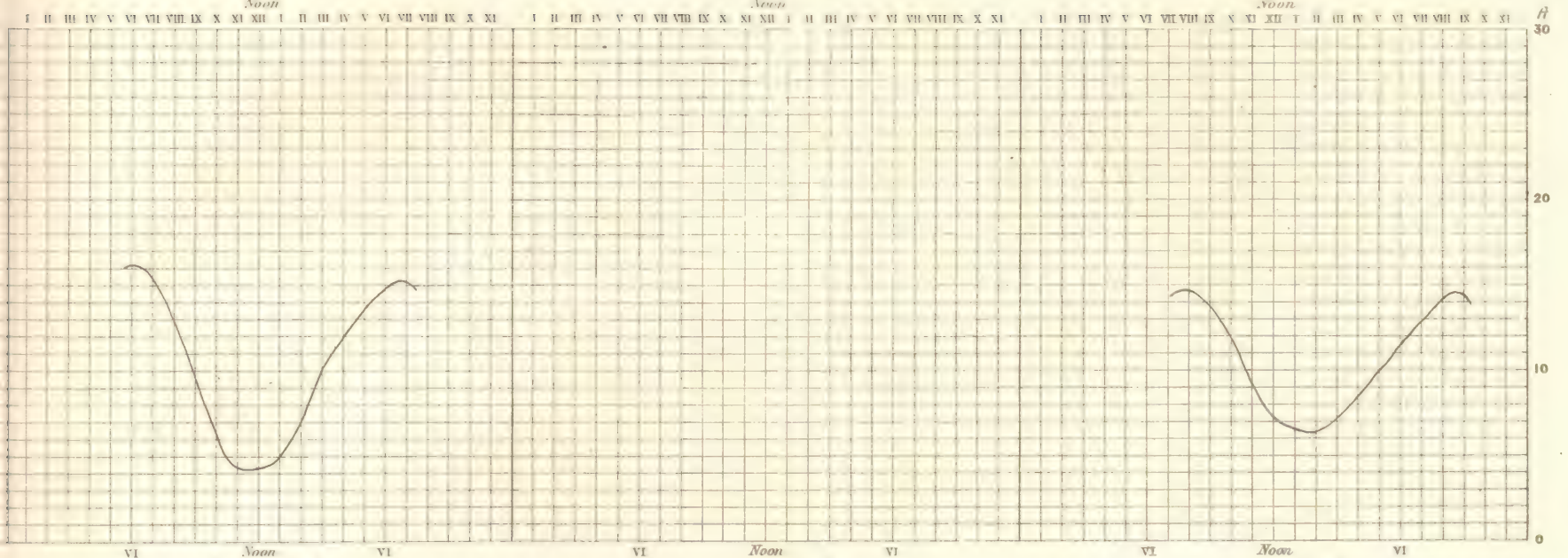
1859

CHANTON

August 20th
Wind W Fair
Noon

August 21st
Noon

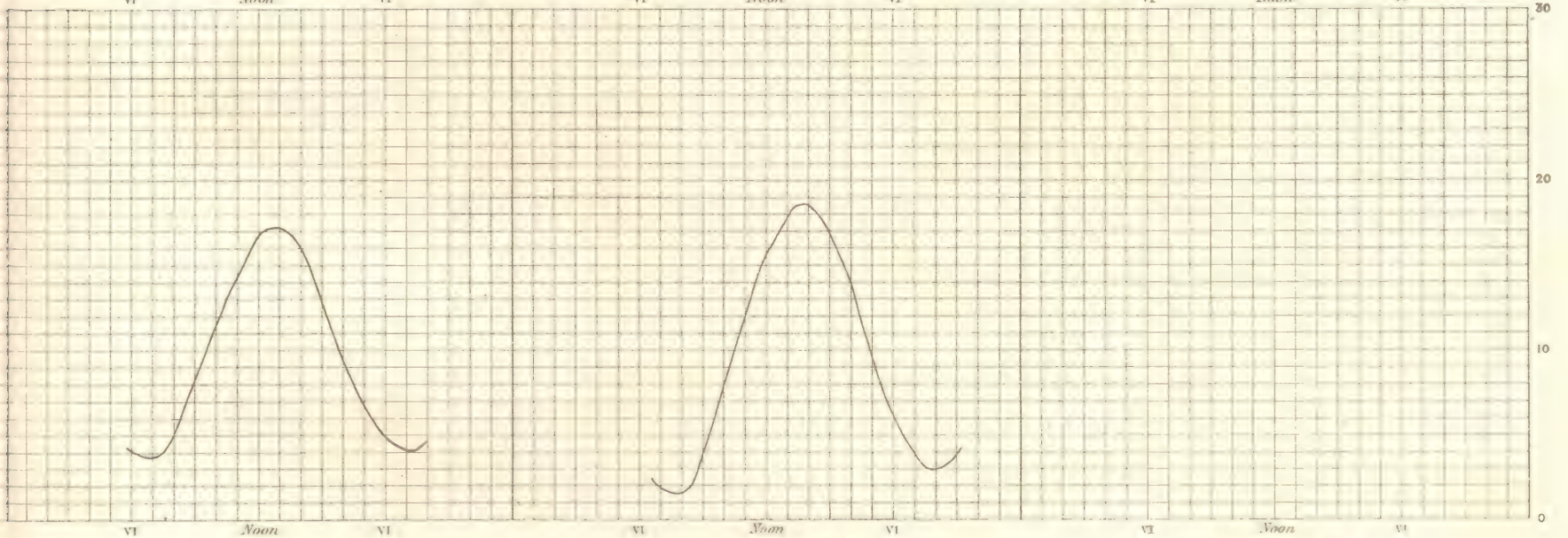
August 22nd
Wind W
Noon



August 26th
Wind E Stormy
Noon

August 27th
Wind W Fair
Noon

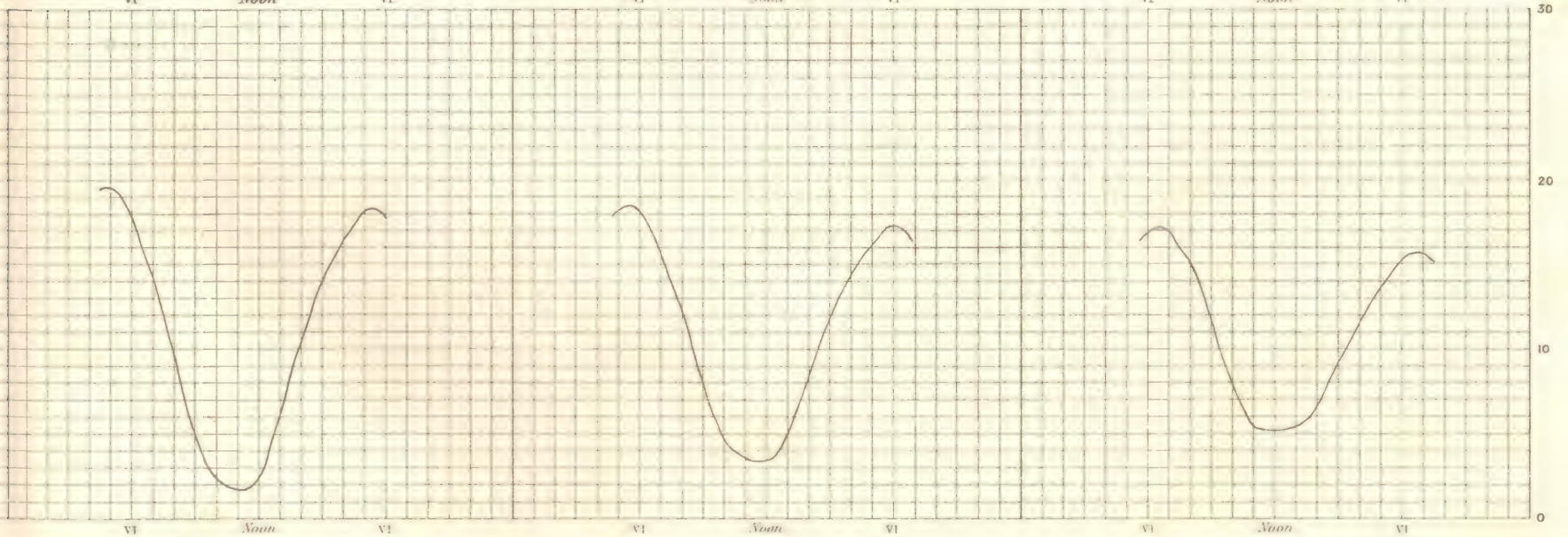
August 28th
Noon



September 1st
Wind W
Noon

September 2nd
Wind W
Noon

September 3rd
Wind W
Noon



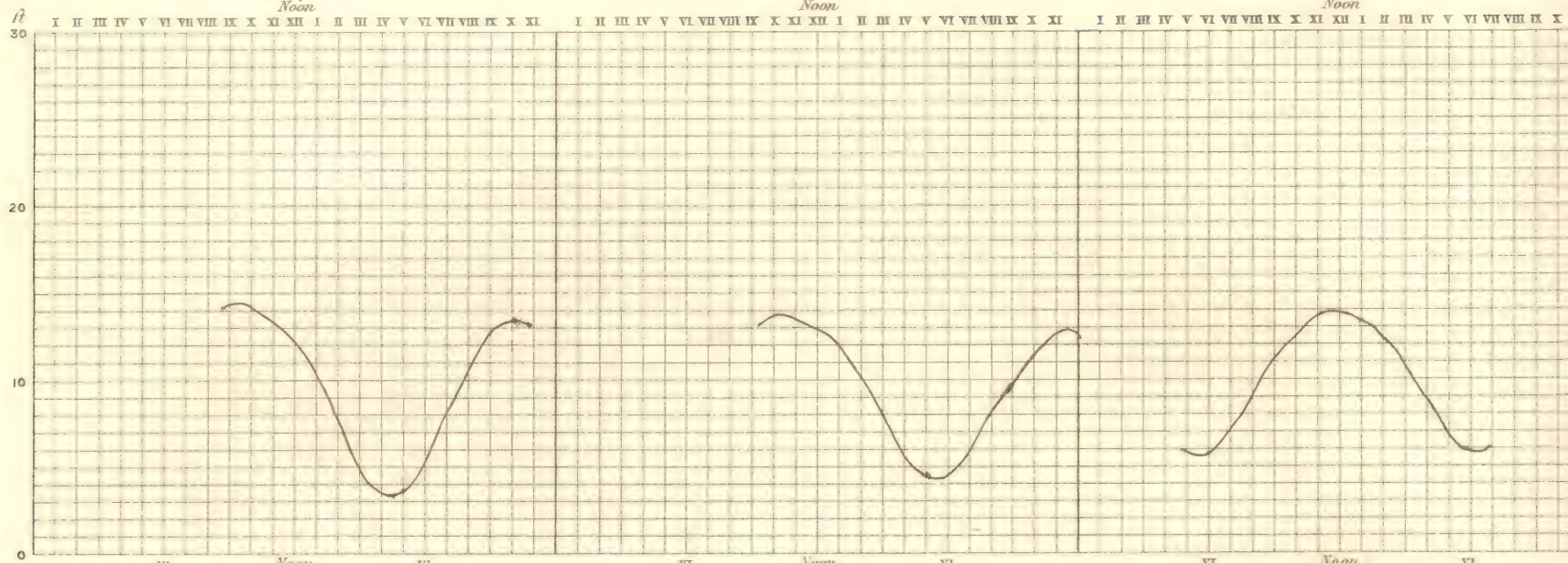
KYLEAKIN

1859

Nov. 15th
Wind E. Light breeze
Noon

Nov. 16th
Wind S.E. Calm
Noon

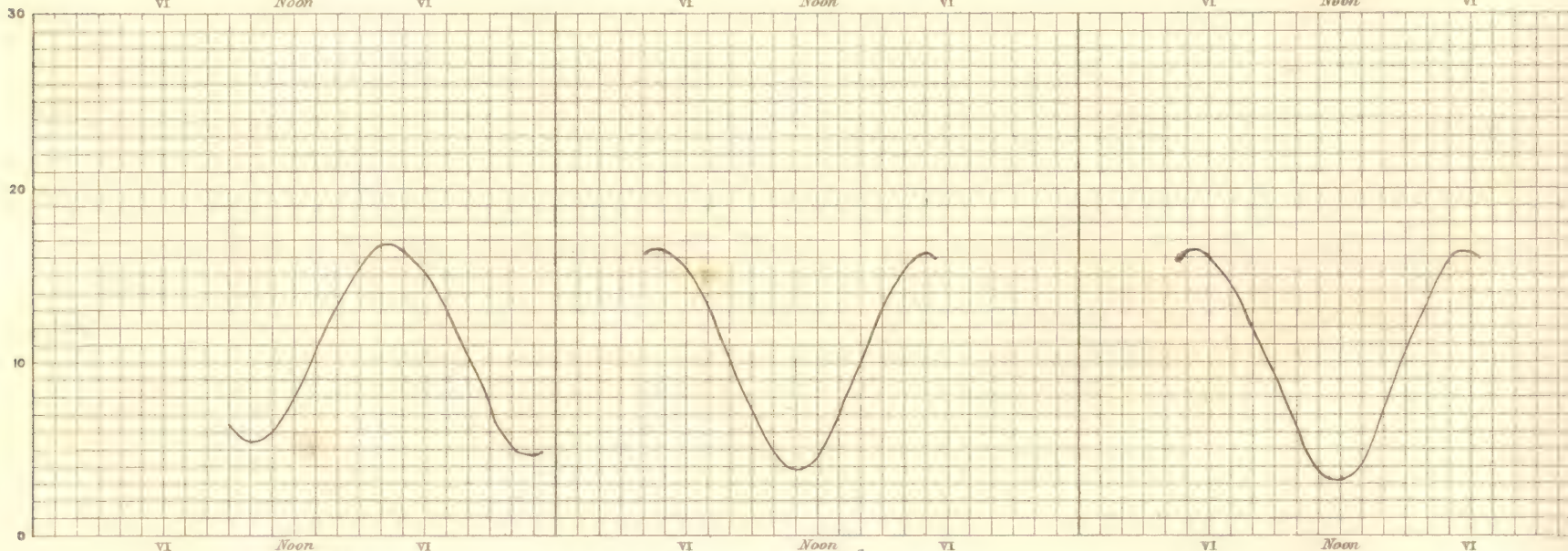
Nov. 17th
Wind S.W. Rough
Noon



Nov. 21st
Wind S. Changeable
Noon

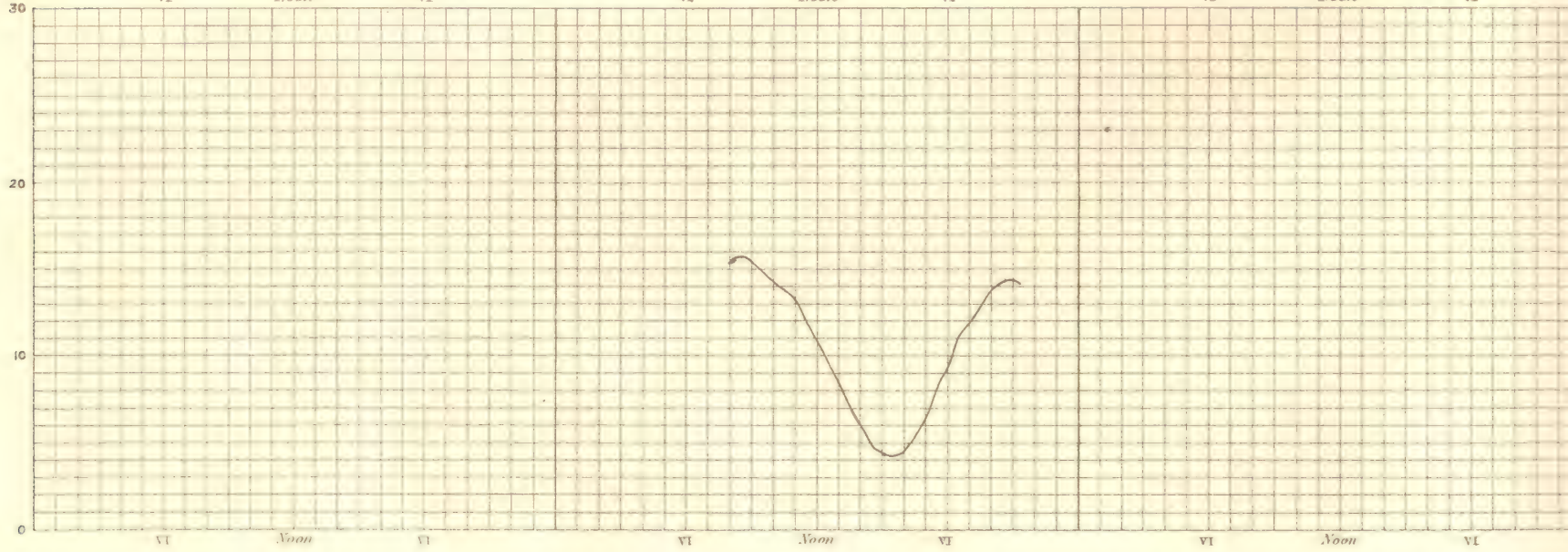
Nov. 22nd
Wind S.W. Calm
Noon

Nov. 23rd
Wind E. Changeable
Noon



Nov. 27th

Nov. 28th
Wind S.W. Calm
Noon

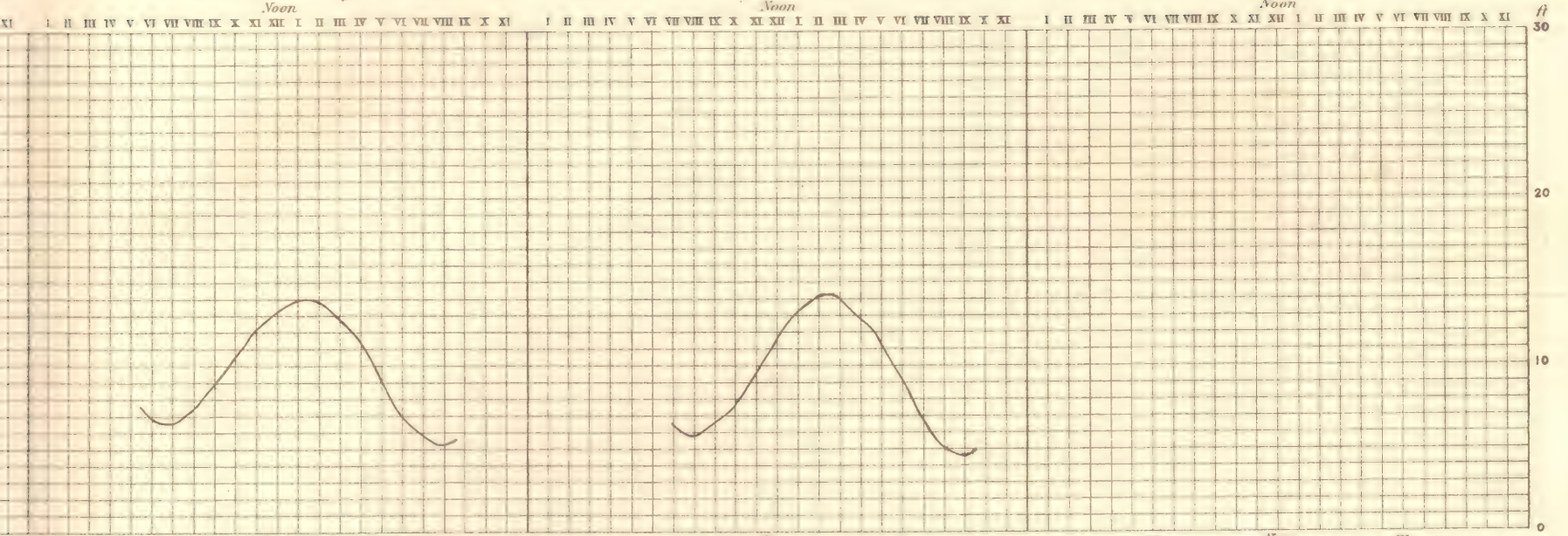


KYLEAKIN

Nov. 18th
Wind S.W. Changeable
Noon

1859
Nov. 19th
Wind S.W. Rough
Noon

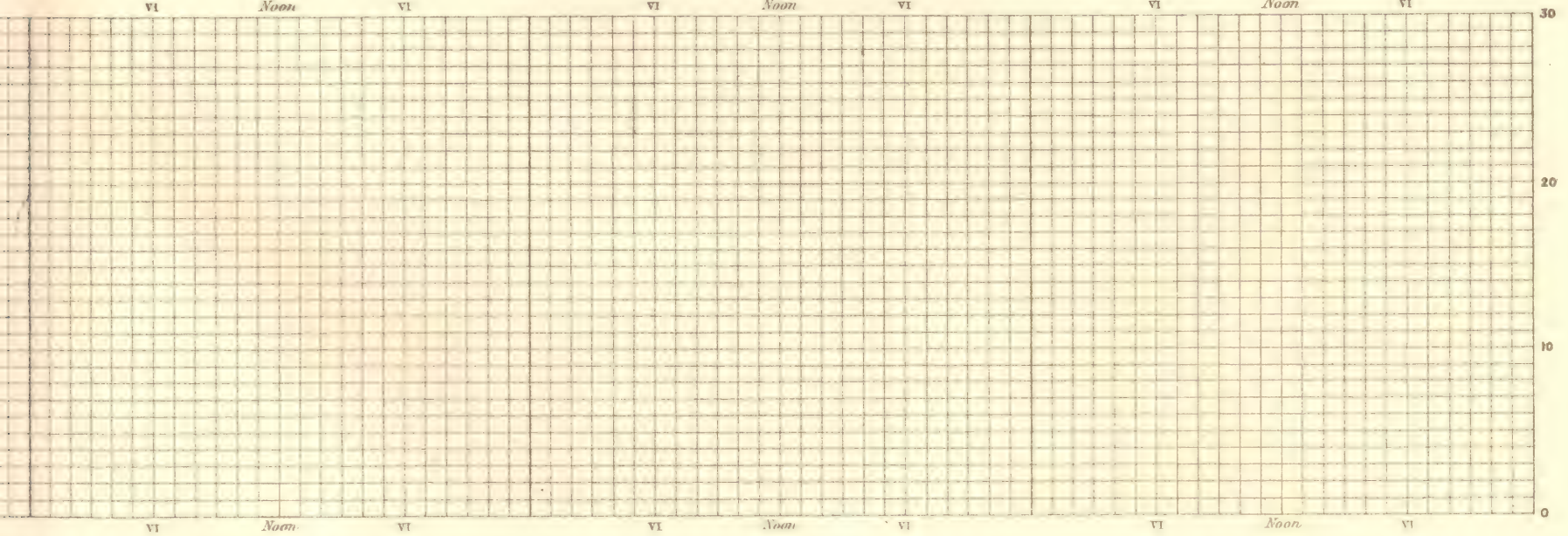
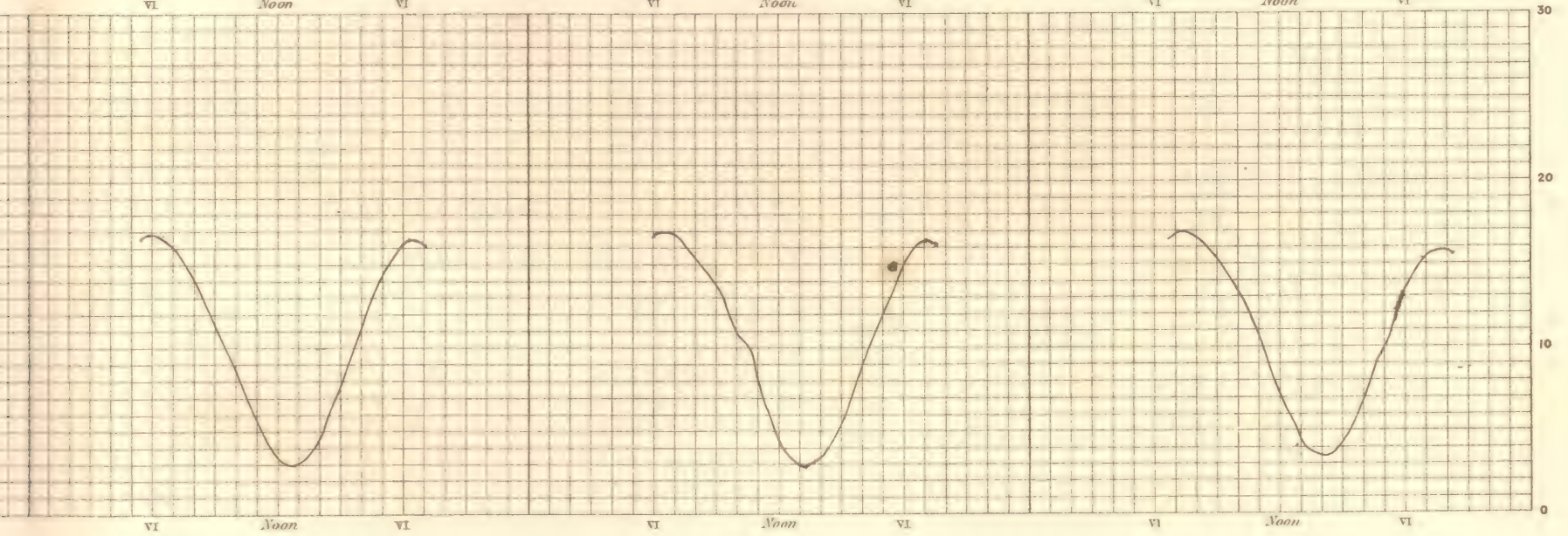
Nov. 20th
Noon



Nov. 21st
Wind E. Light breeze
Noon

Nov. 25th
Wind S.E. Changeable
Noon

Nov. 26th
Wind S.E. Rough
Noon



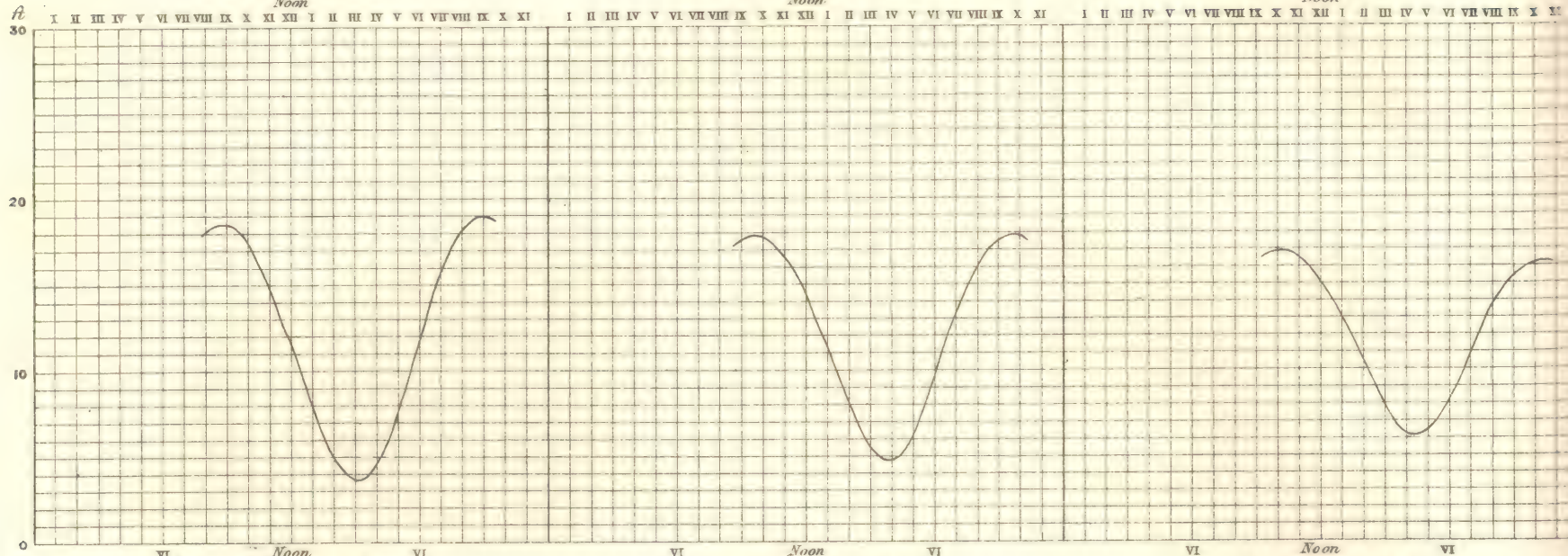
LOCHINVER

1859

August 31st
Wind NW Light breeze
Noon

September 1st
Wind NW Light breeze
Noon

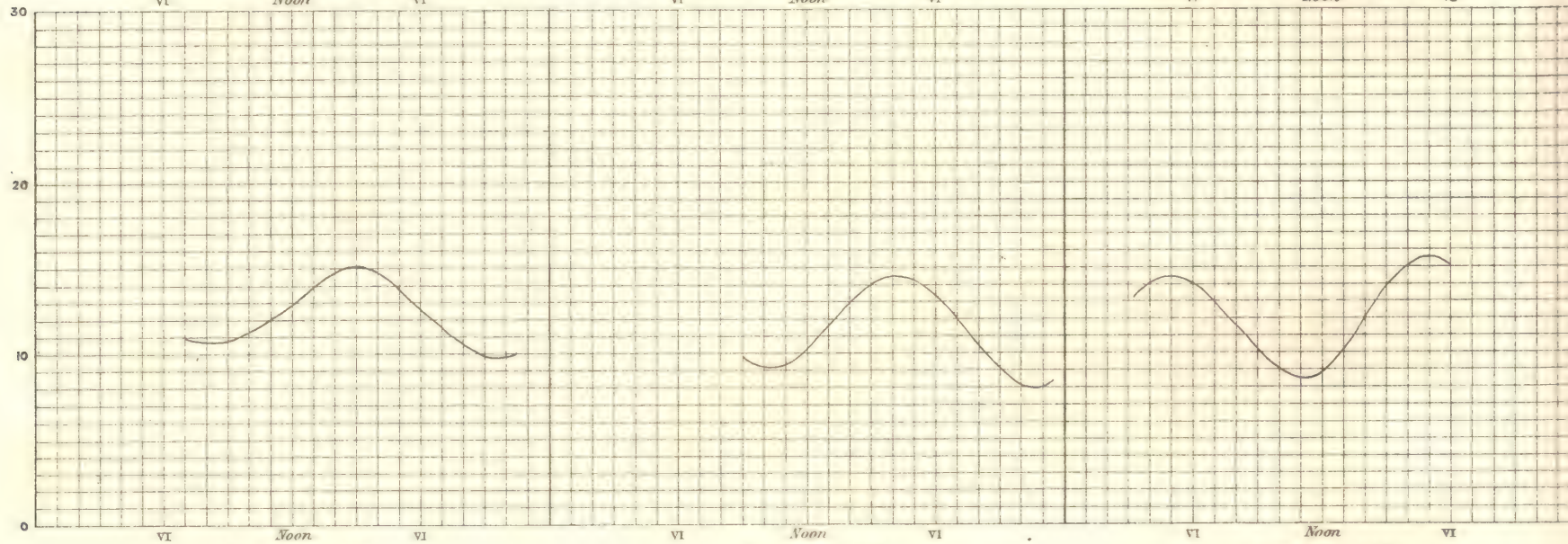
September 2nd
Wind NW
Noon



September 6th
Wind S.E. Calm
Noon

September 7th
Wind W Calm
Noon

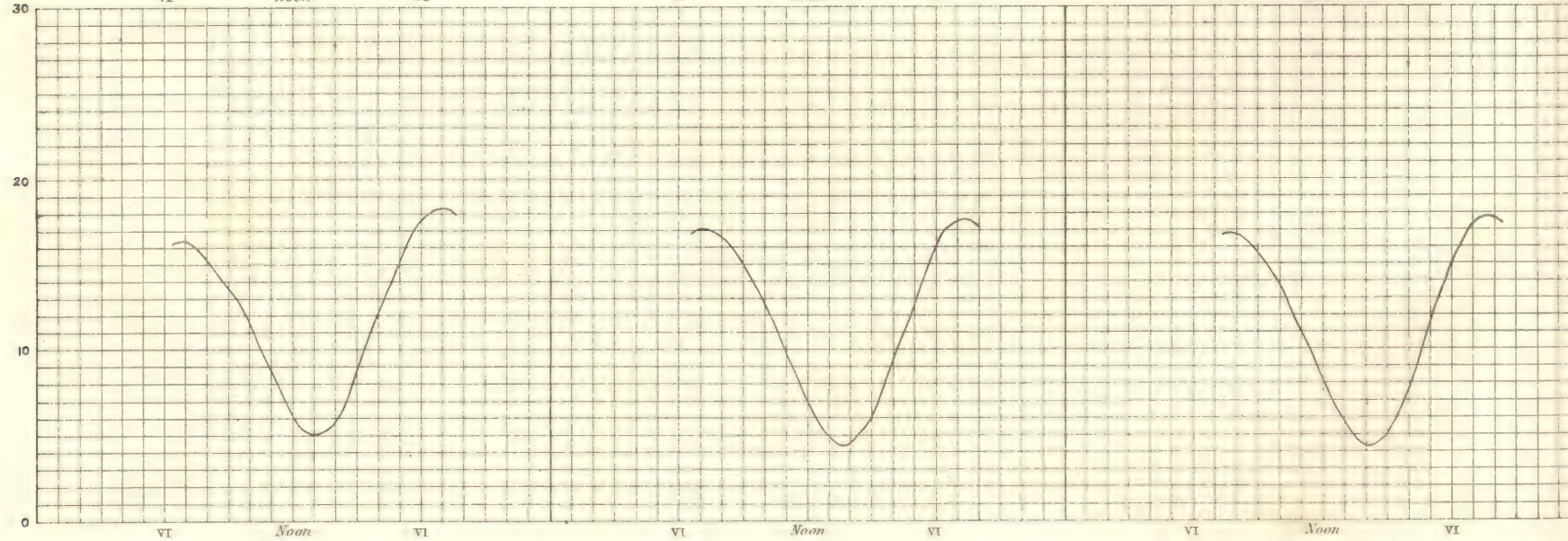
September 8th
Wind W Calm
Noon



September 12th
Wind S.E. Calm
Noon

September 13th
Wind S.E. Calm
Noon

September 14th
Wind S.W. Calm
Noon

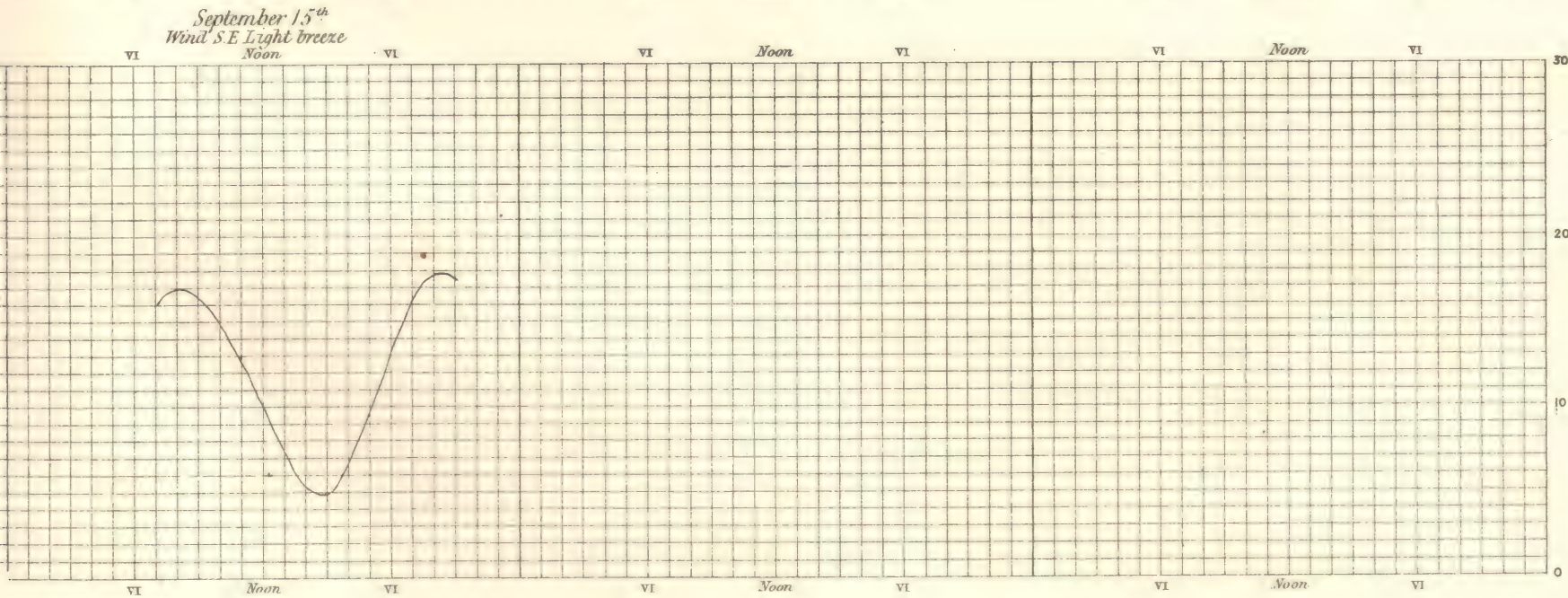
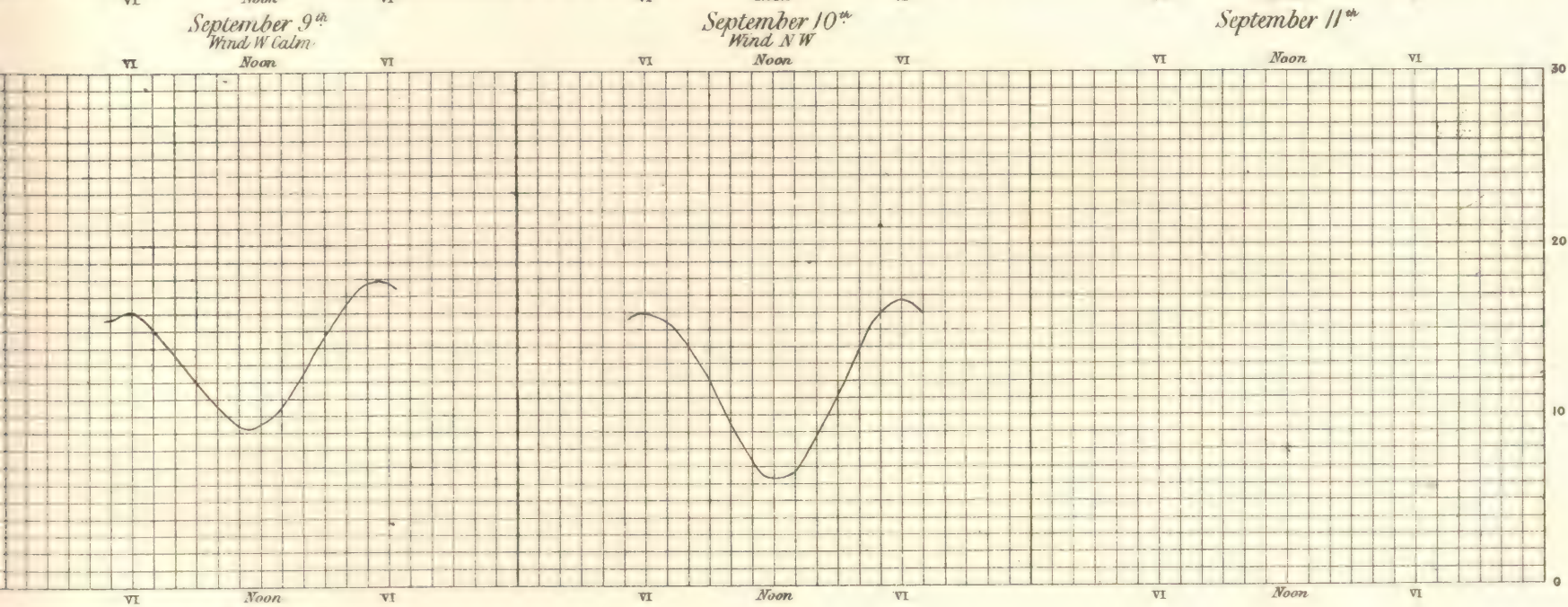
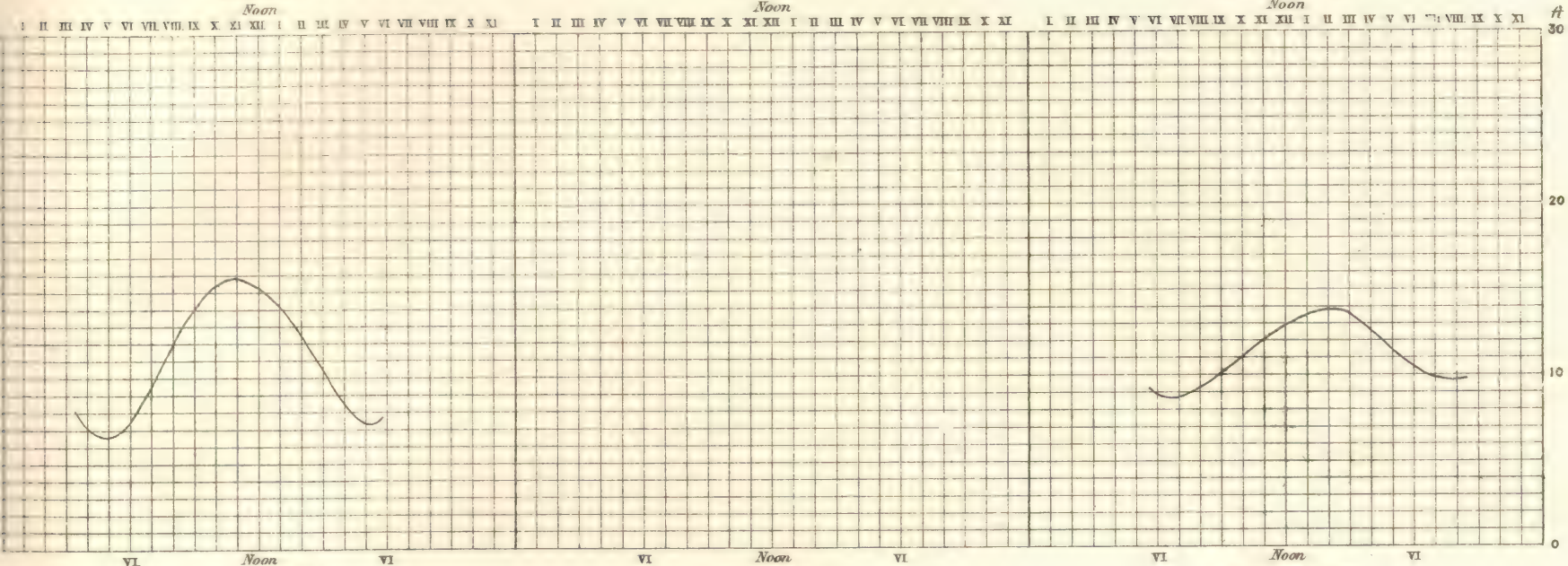


LOCHINVER

1859
September 4th

September 3rd
Wind S.W.
Noon

September 5th
Wind N.E. Calm
Noon



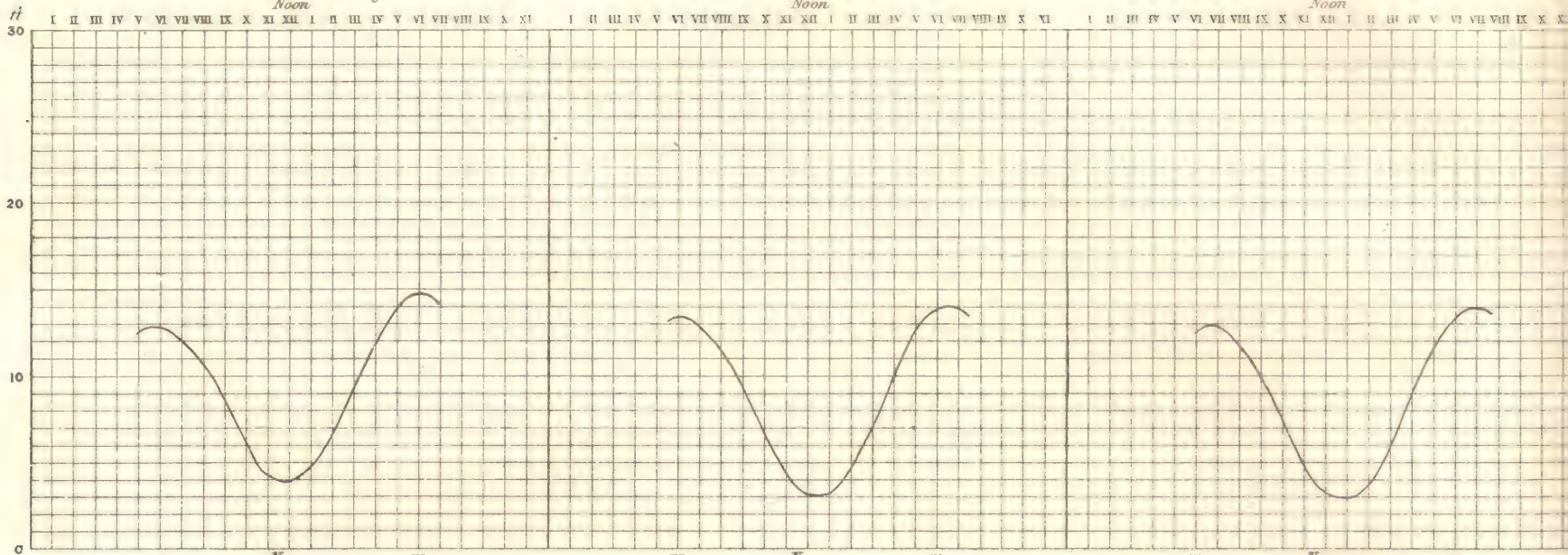
OBAN

1859

September 12th
Wind S.E. Windy
Noon

September 13th
Wind S.E.
Noon

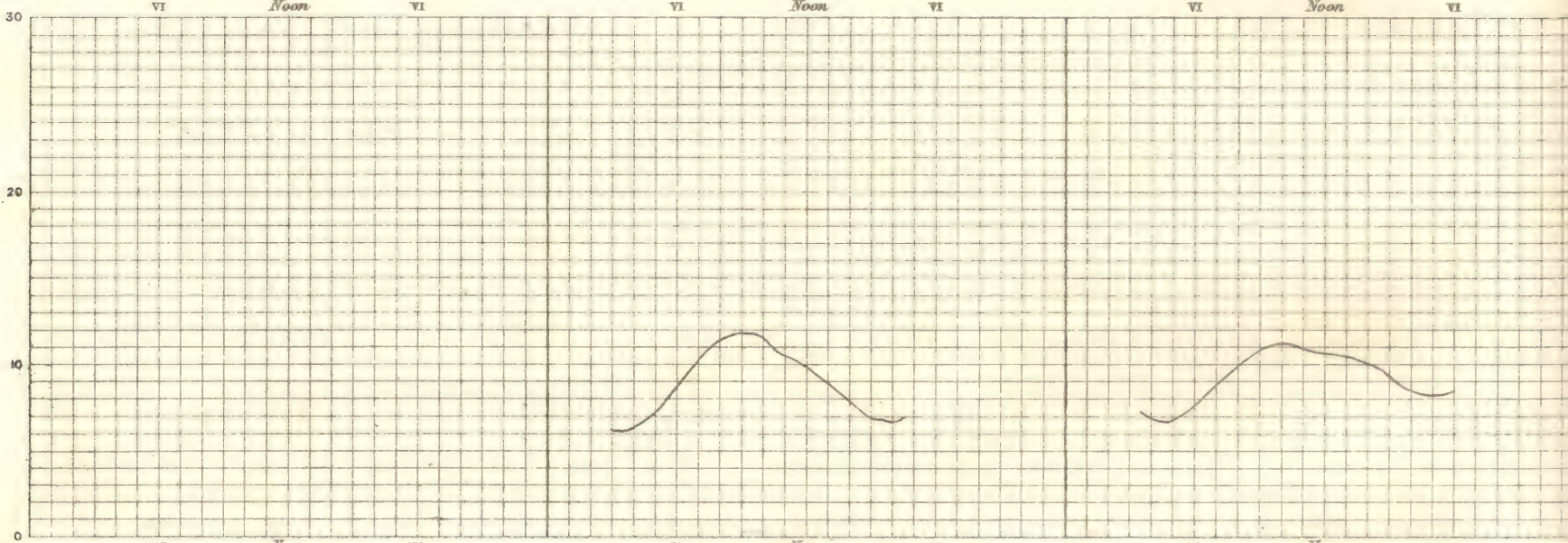
September 14th
Wind N.W. Fair
Noon



September 18th
Noon

September 19th
Wind N.
Noon

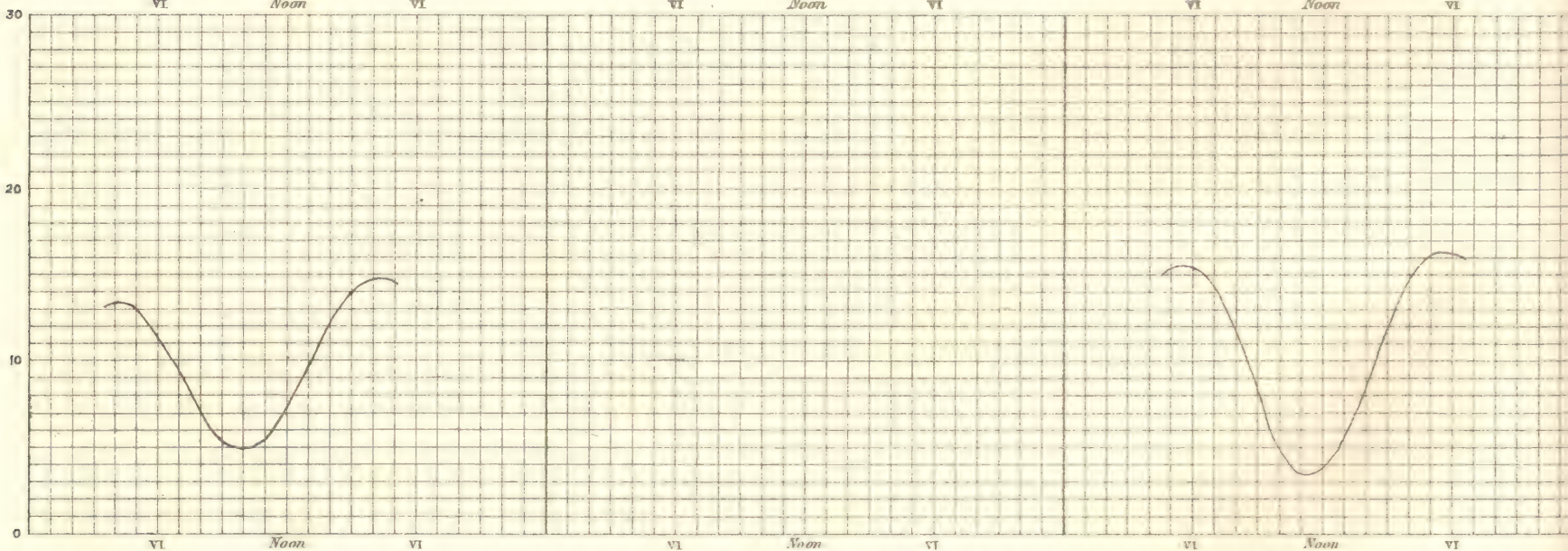
September 20th
Wind S.W.
Noon



September 24th
Wind S.W.
Noon

September 25th
Noon

September 26th
Wind W.
Noon

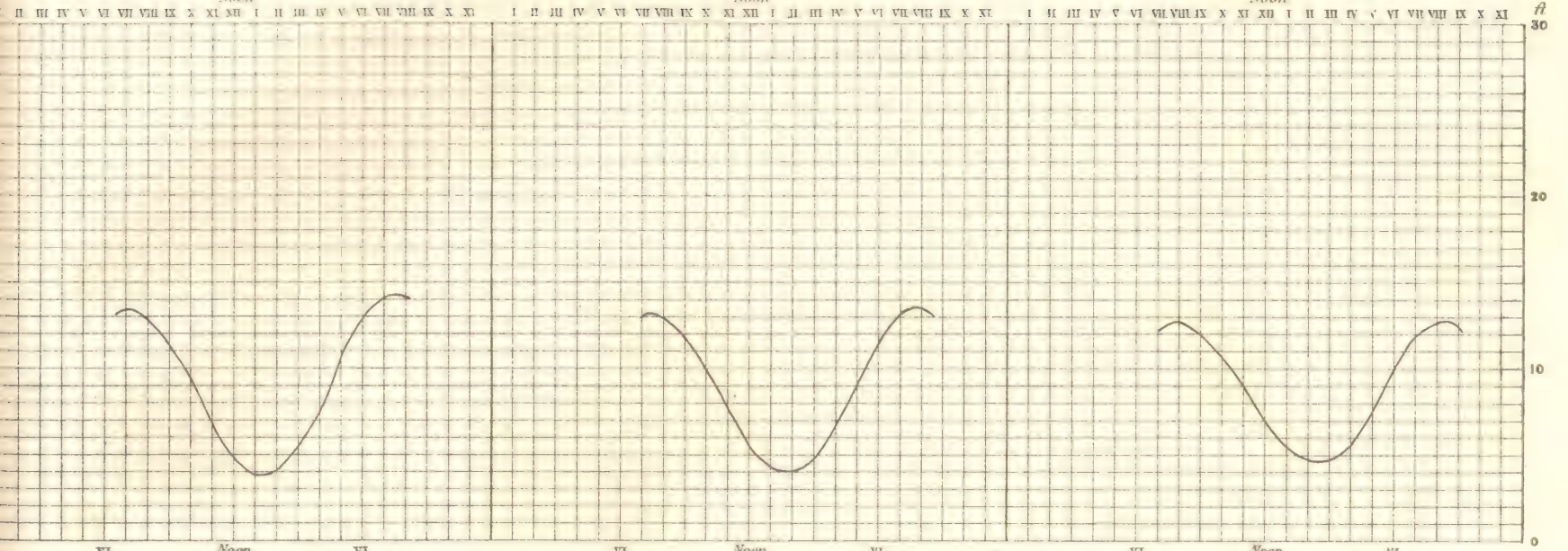


1859

September 15th
Wind S.E. Fair
Noon

September 16th
Wind N. Fair
Noon

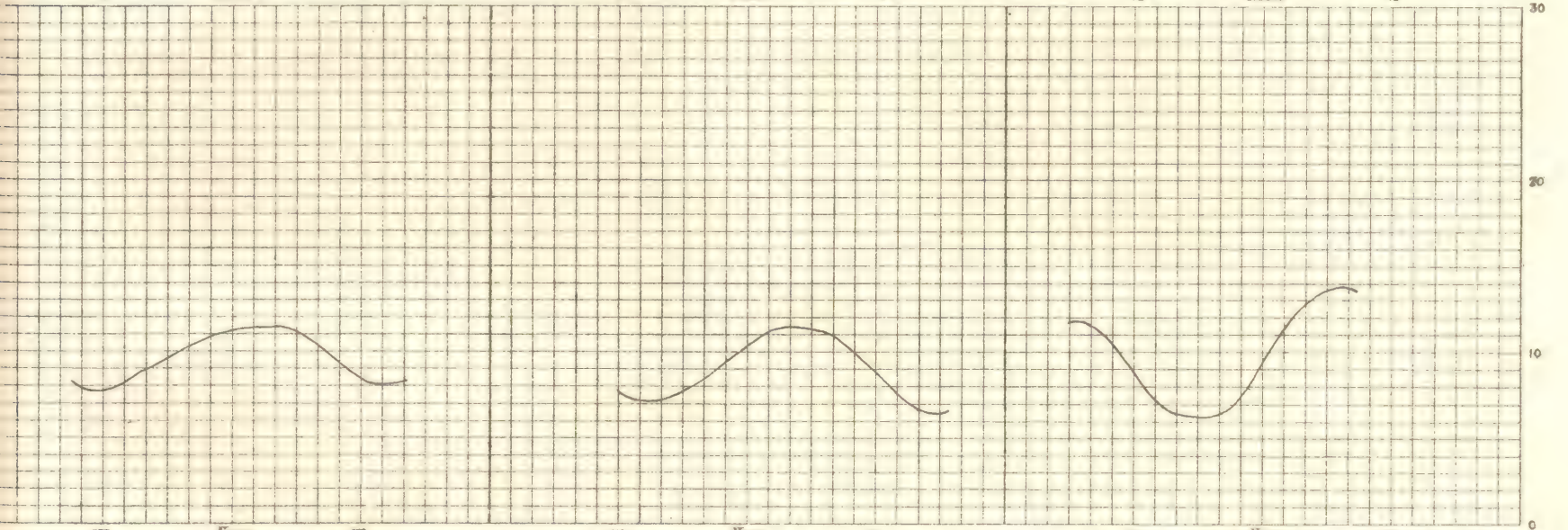
September 17th
Wind N.E. Fair
Noon



September 21st
Wind S.W.
Noon

September 22nd
Wind E.W.
Noon

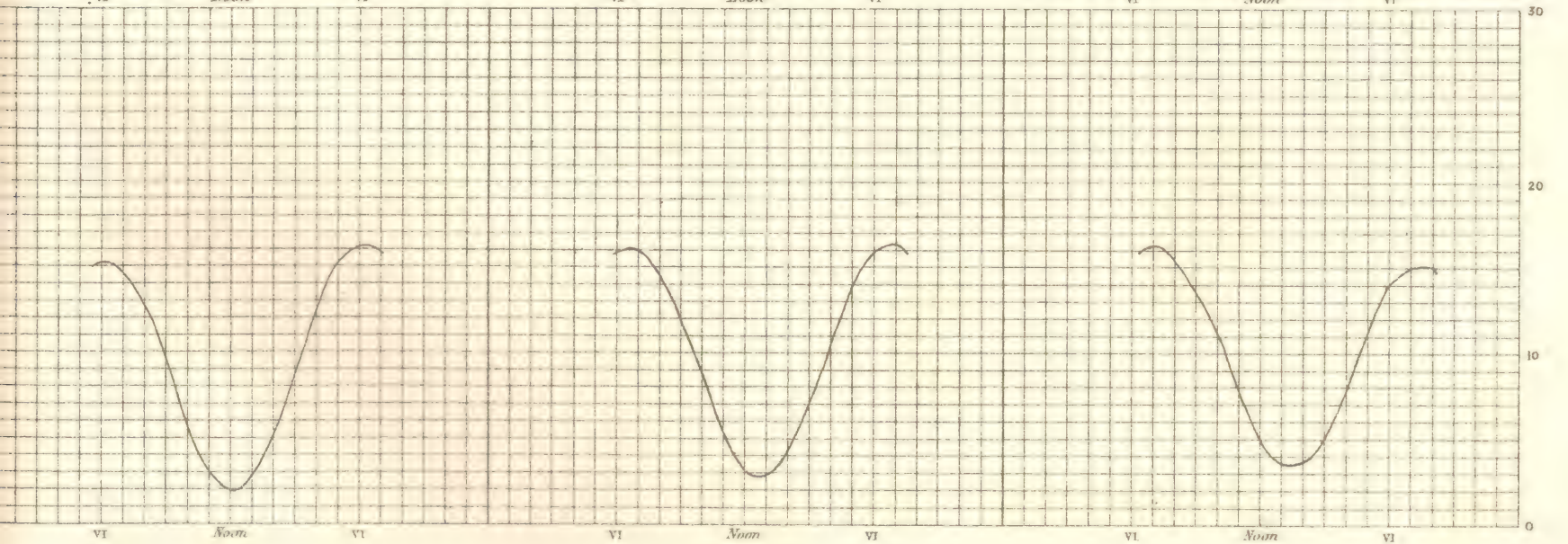
September 23rd
Wind S.W. Showery
Noon



September 27th
Wind S.W.
Noon

September 28th
Wind S.W.
Noon

September 29th
Wind W.
Noon



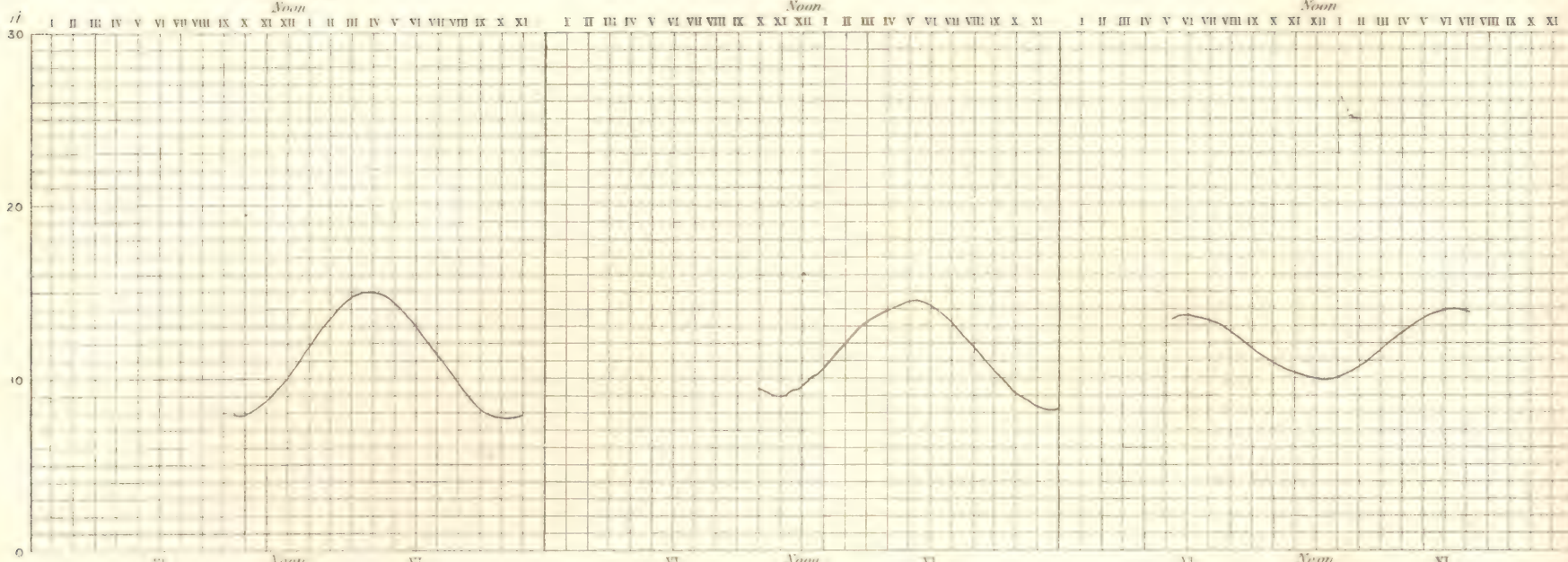
PORTPATRICK

1859

October 3rd
Wind S.W.

October 4th
Wind S.S.W.

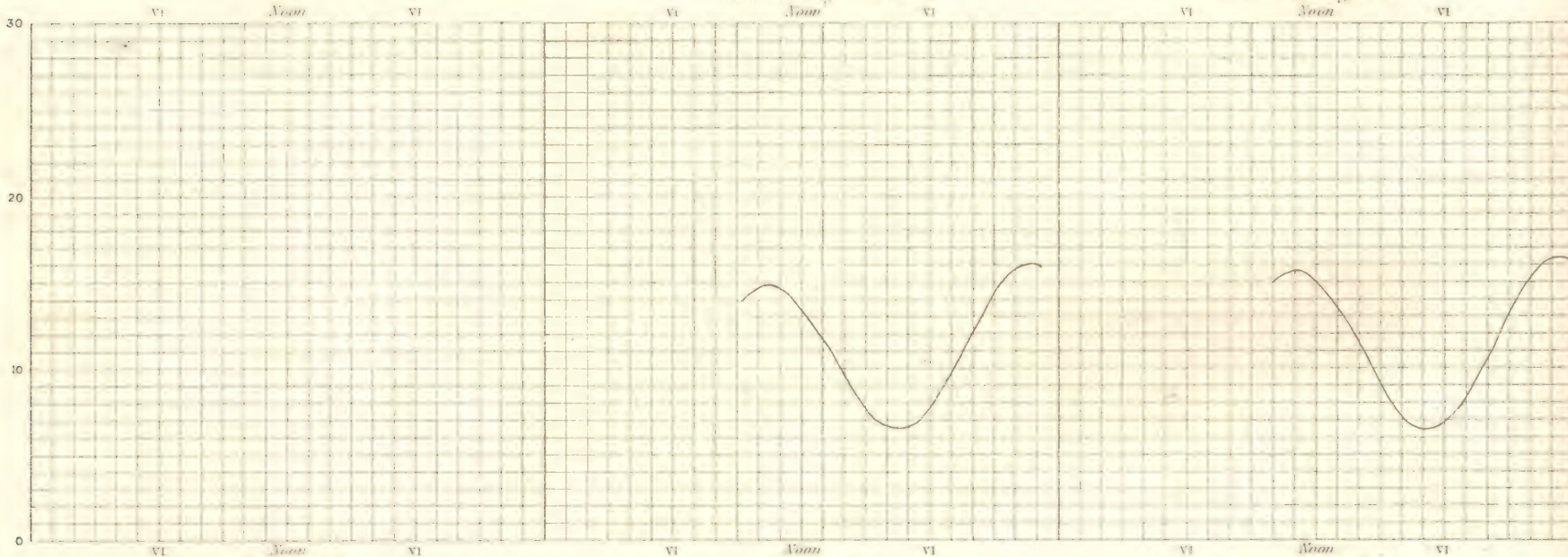
October 5th
Wind S.W.



October 9th

October 10th
Wind E.S.E. Light breeze

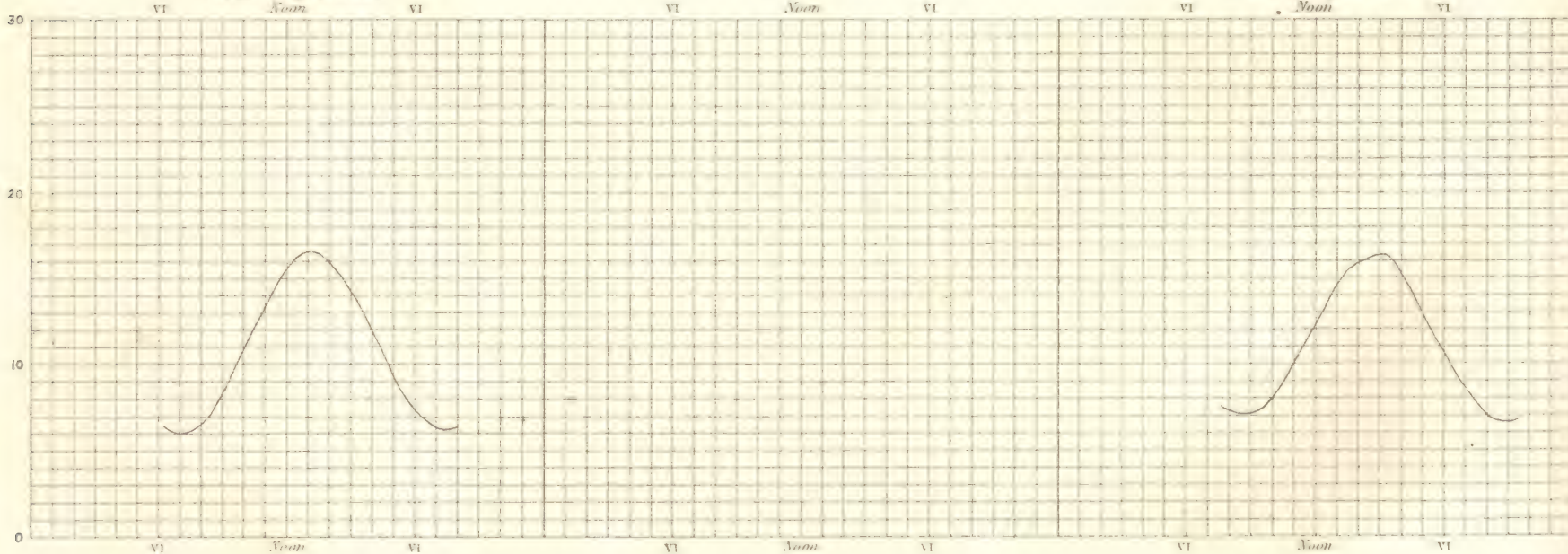
October 11th
Wind E.S.E. Light breeze



October 13th
Wind N Light breeze

October 16th

October 17th
Wind N.W. Light breeze



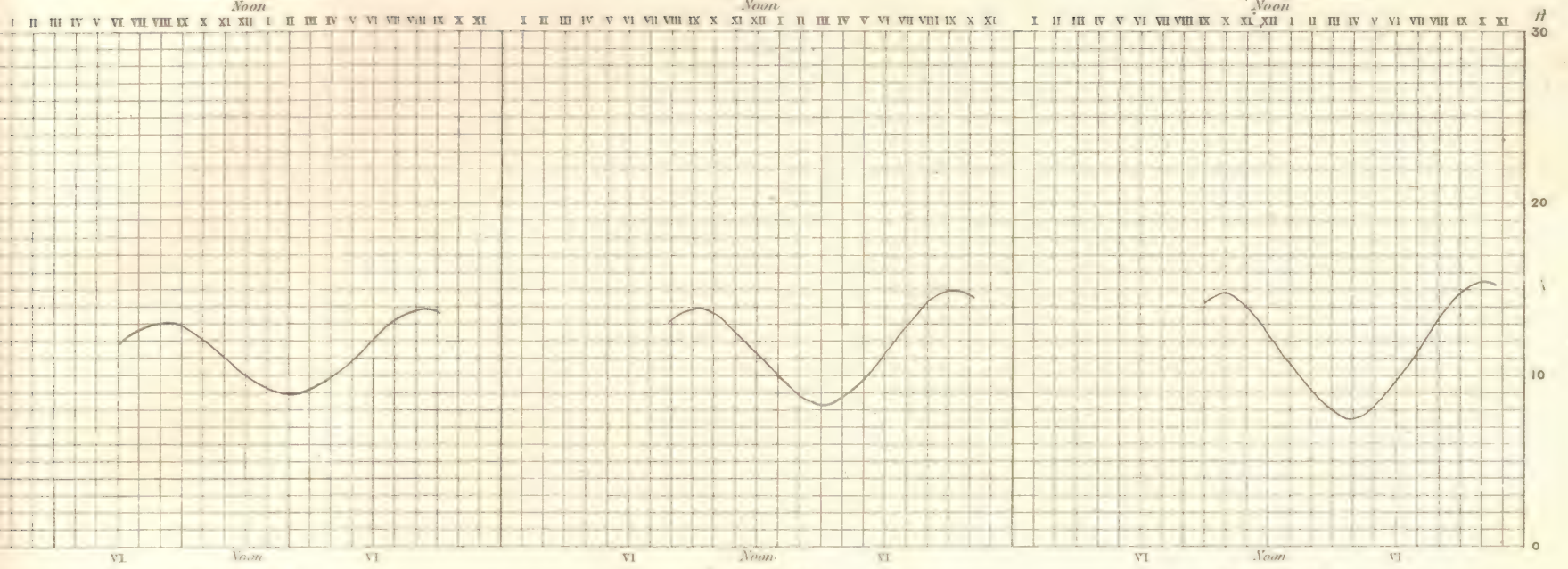
1859

PORTPATRICK

October 6th
Wind SW Light breeze

October 7th
Wind ESE

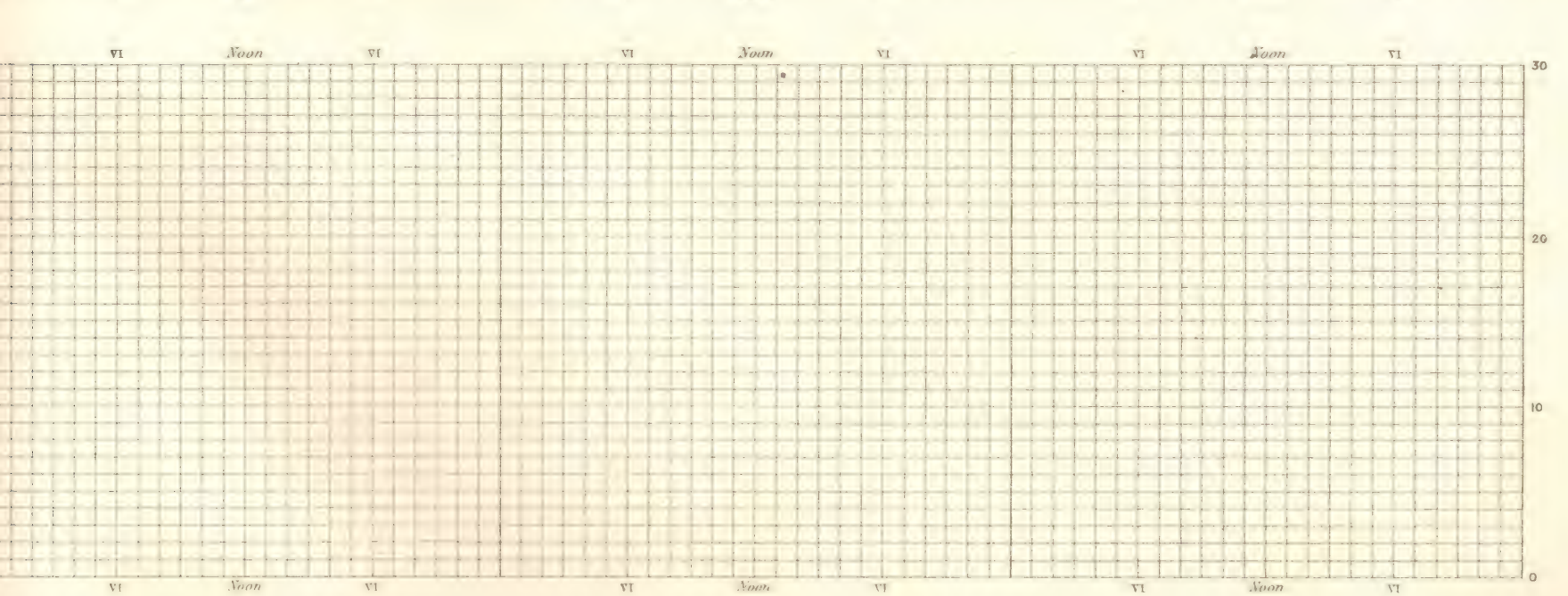
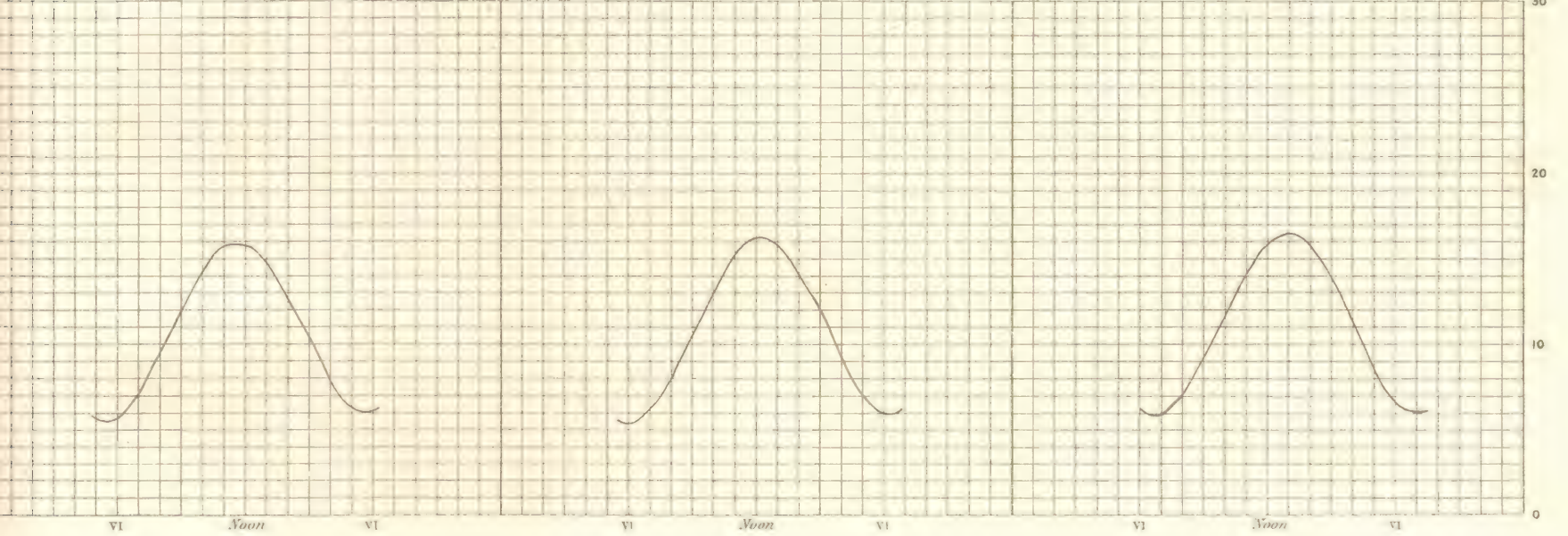
October 8th
Wind SE Light breeze



October 12th
Wind NE calm

October 13th
Wind ESE calm

October 14th
Wind SE



PORTSOY

1859

September 23rd

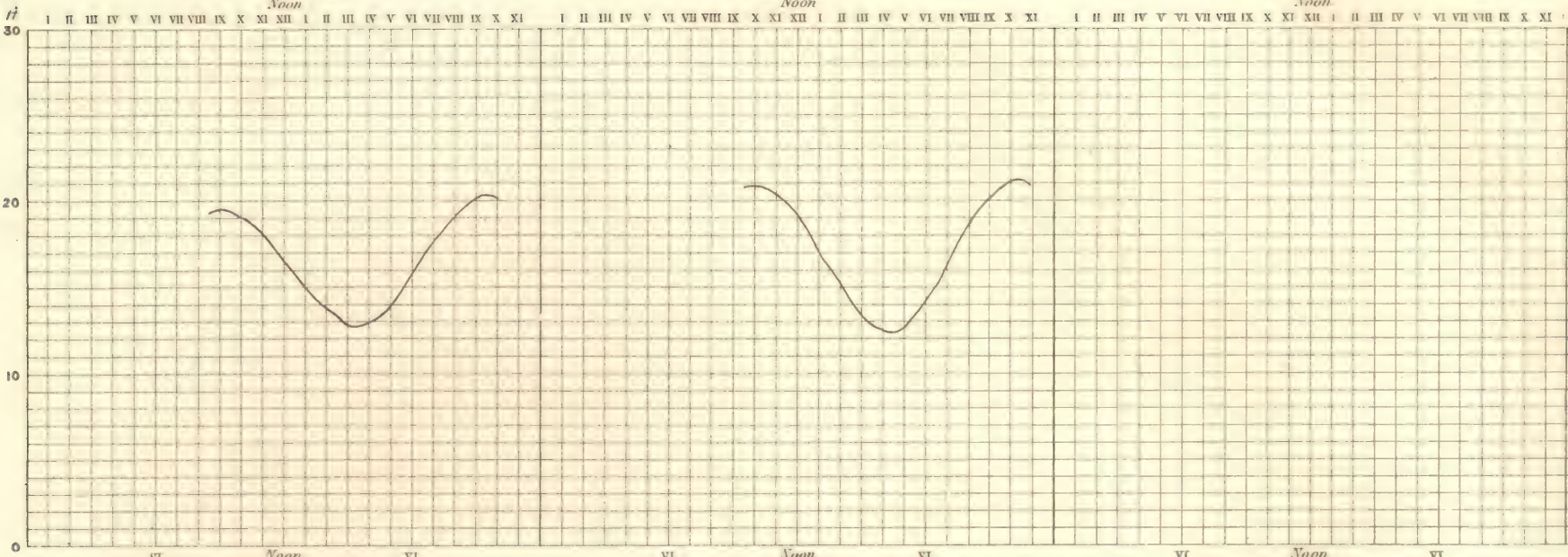
September 24th

September 25th

Wind S.

Wind S. Fair

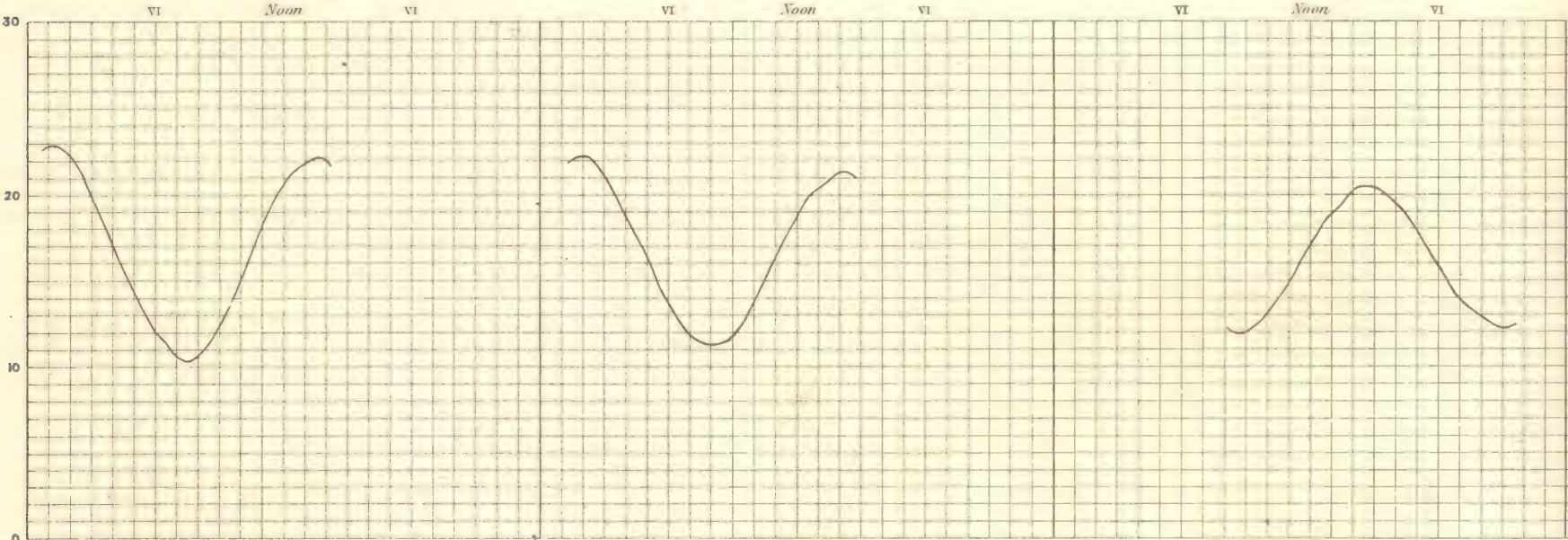
Noon



September 29th
Wind S.E.

September 30th
Wind N.W. Fair

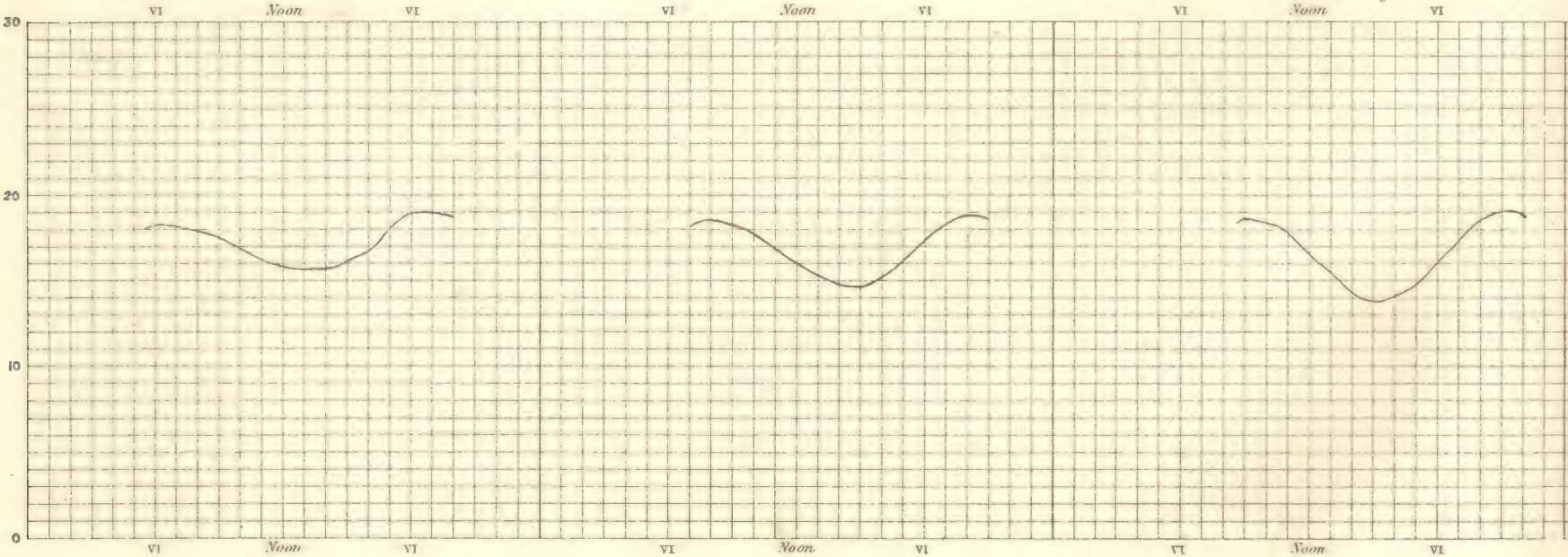
October 1st
Wind S.E. Fair



October 5th
Wind W.S.W.

October 6th
Wind E.

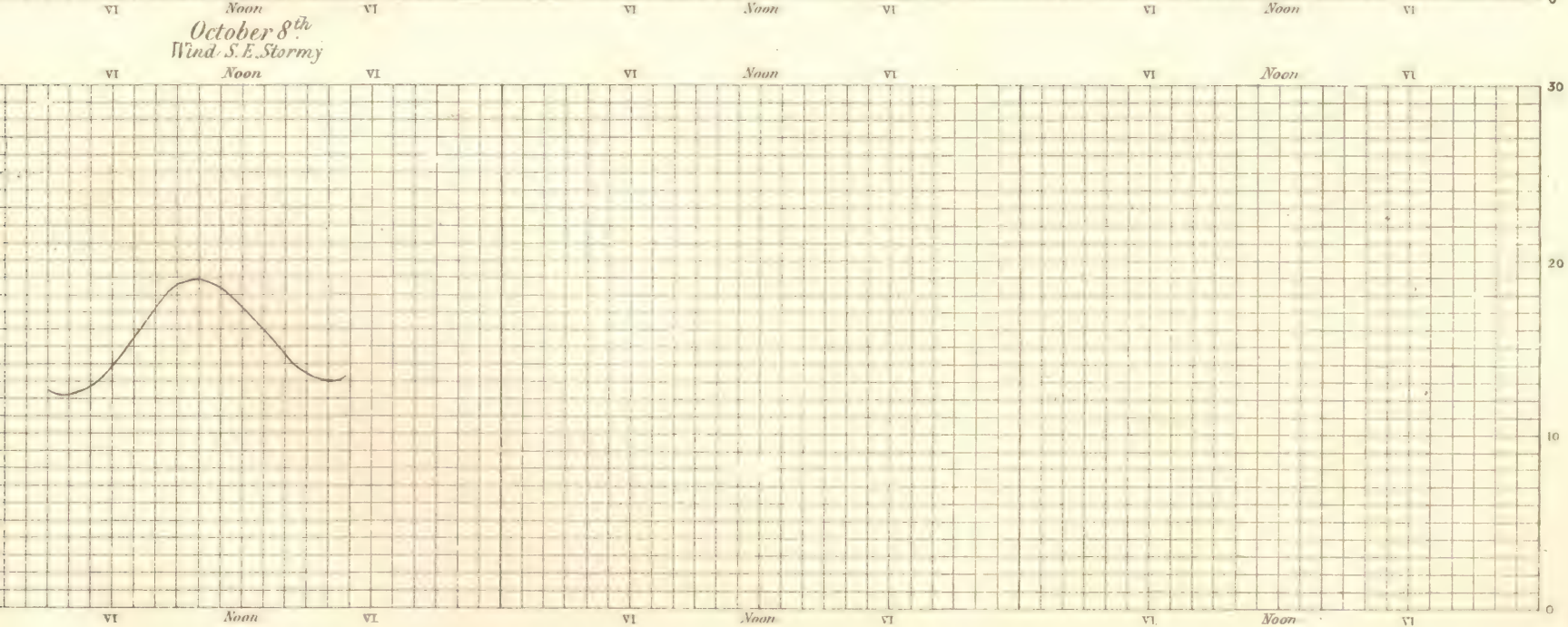
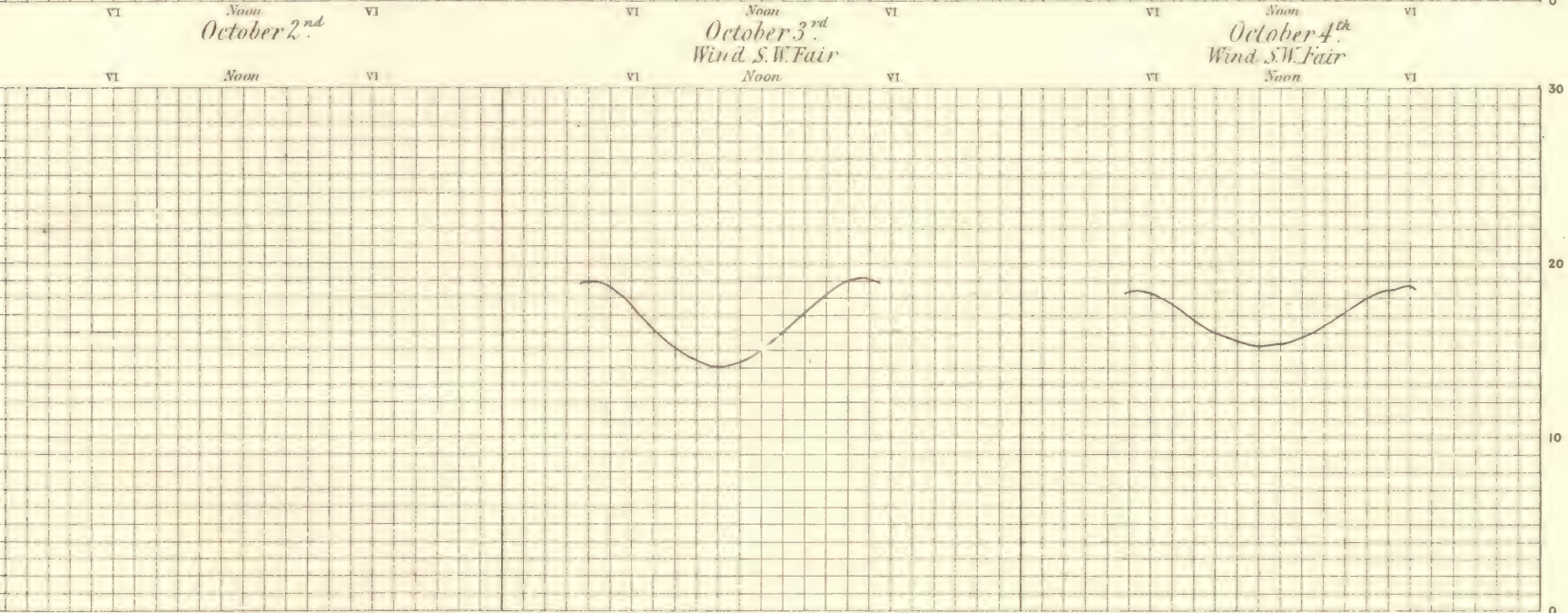
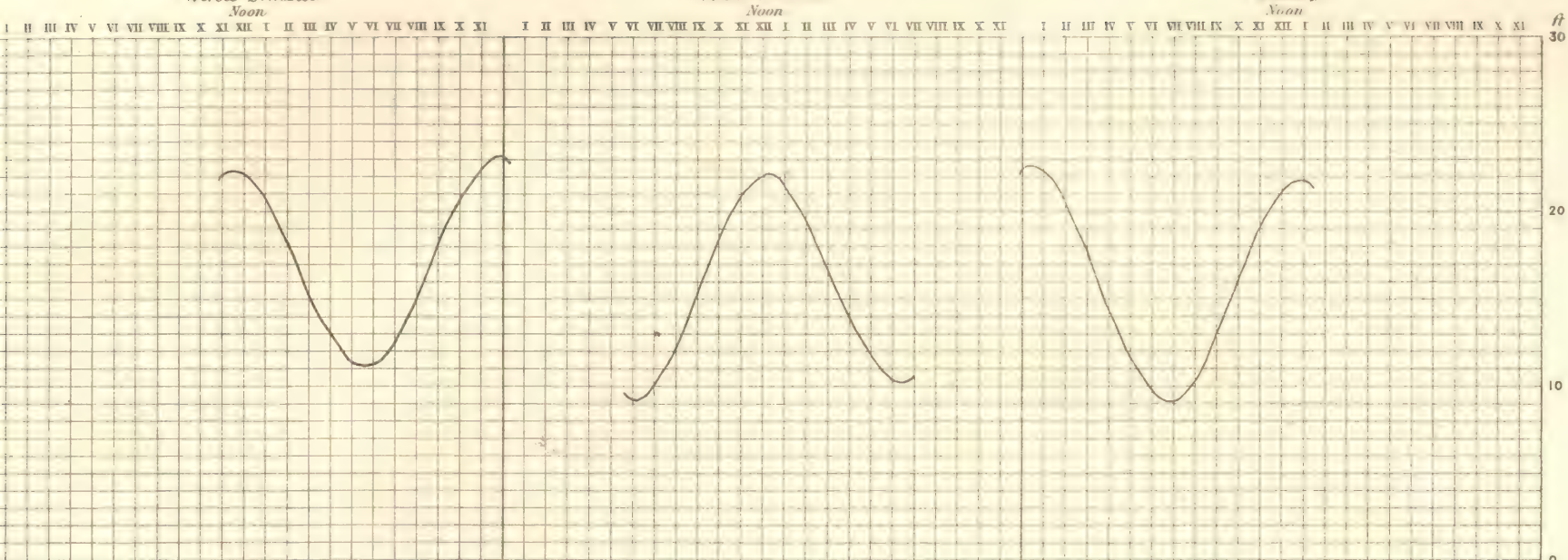
October 7th
Wind S.E. Stormy



1859
September 27th
Wind N.W. Fair

September 28th
Wind S.
Noon

September 26th
Wind S.W. Fair
Noon



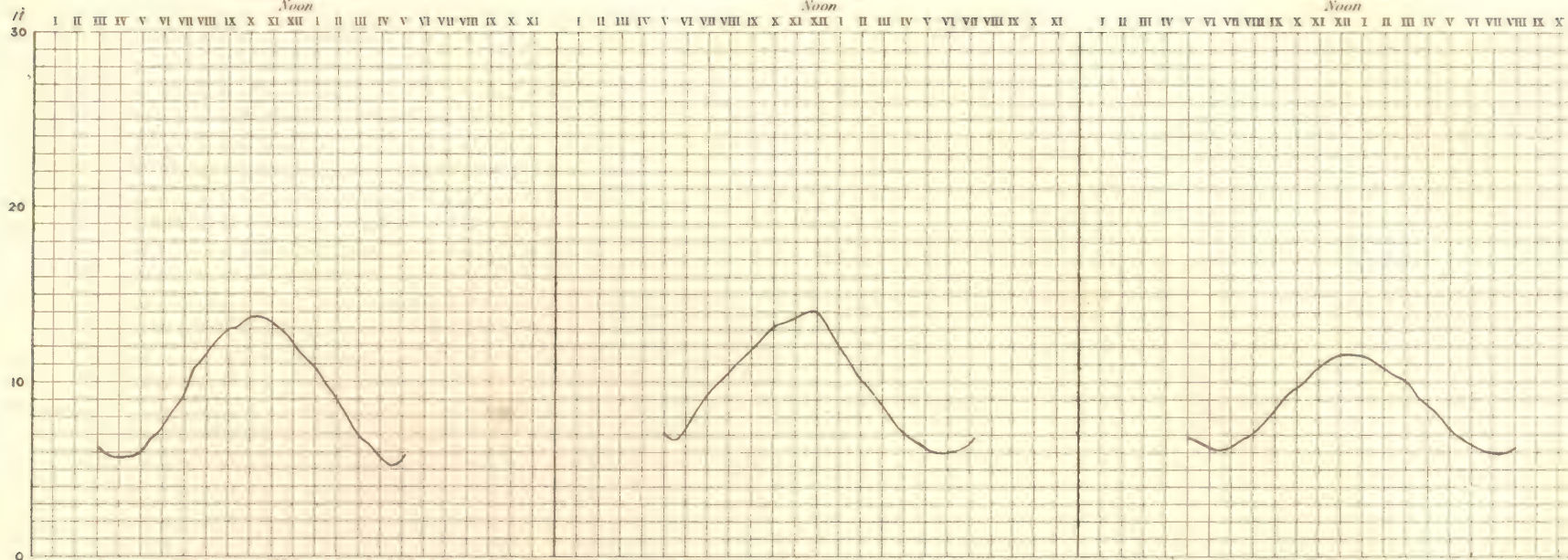
RISPOND

1859

Oct. 31st
Wind N.E. Calm
Noon

Nov. 1st
Wind N. Rough
Noon

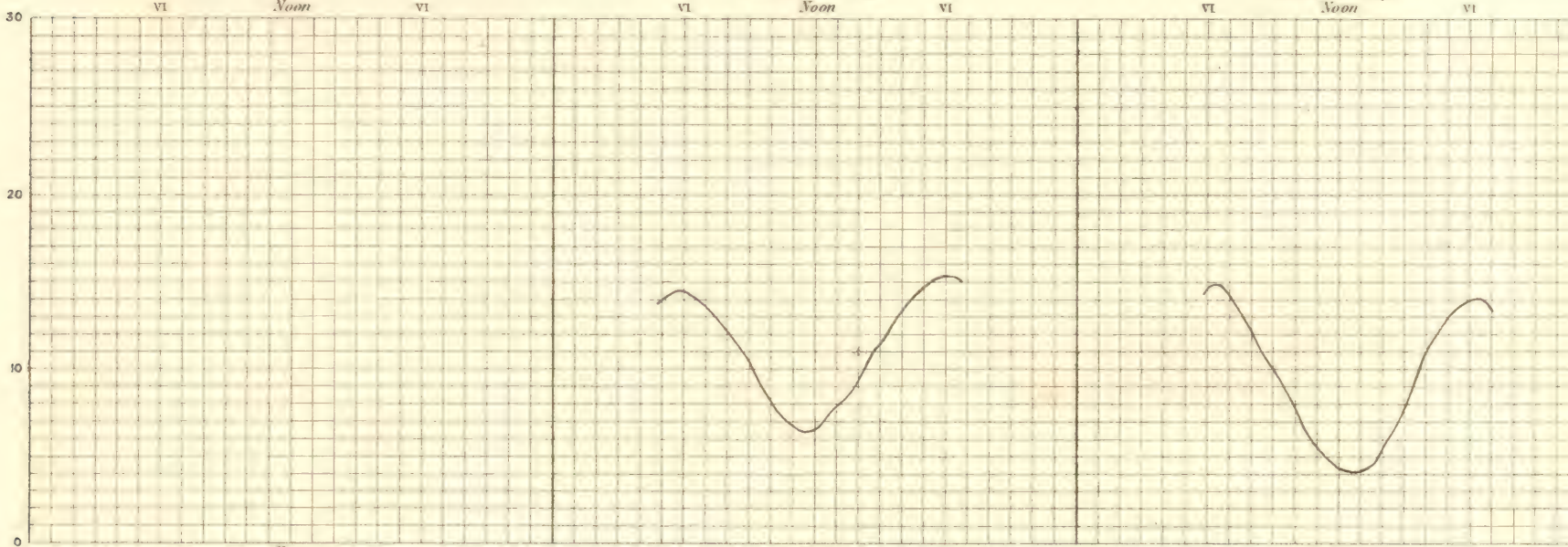
Nov. 2nd
Wind N.E. Calm
Noon



Nov. 6th

Nov. 7th
Wind S.W. Rough
Noon

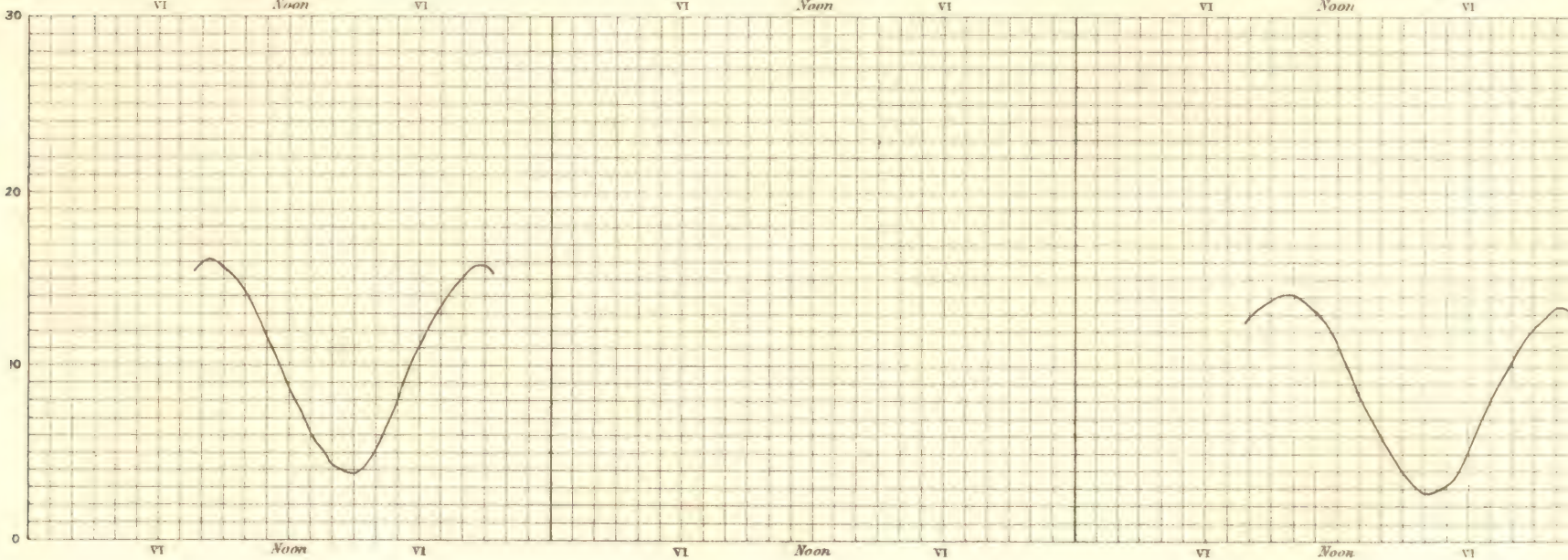
Nov. 8th
Wind N.E. Rough
Noon



Nov. 12th
Wind S.W. Calm
Noon

Nov. 13th
Noon

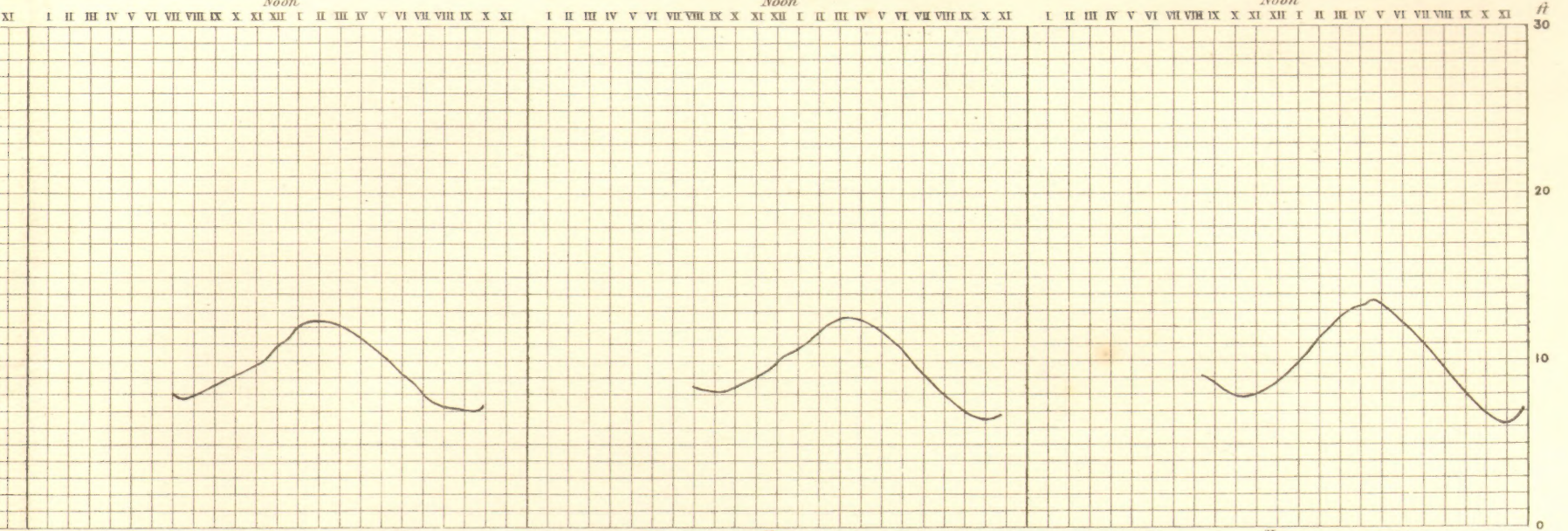
Nov. 14th
Wind S.W. light breeze
Noon



Nov. 3rd
Wind S.E. Calm
Noon

1859
Nov. 4th
Wind S.E. Calm
Noon

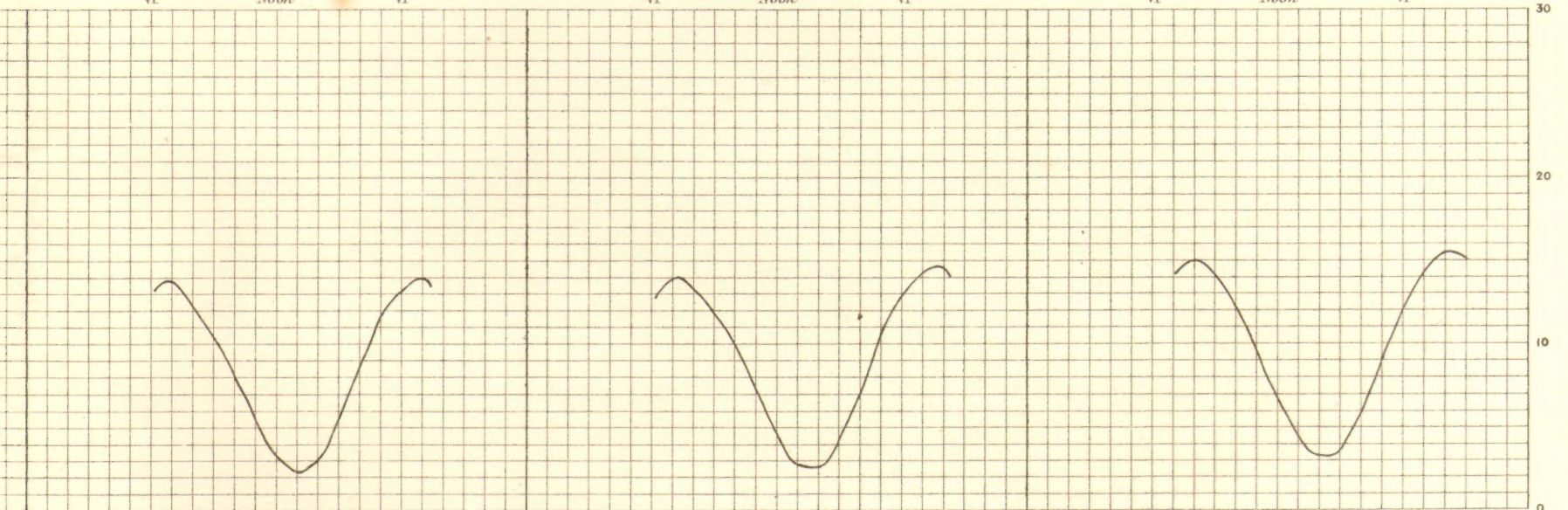
Nov. 5th
Wind S.W. Calm
Noon



Nov. 9th
Wind N.E. Calm
Noon

Nov. 10th
Wind S.W. Calm
Noon

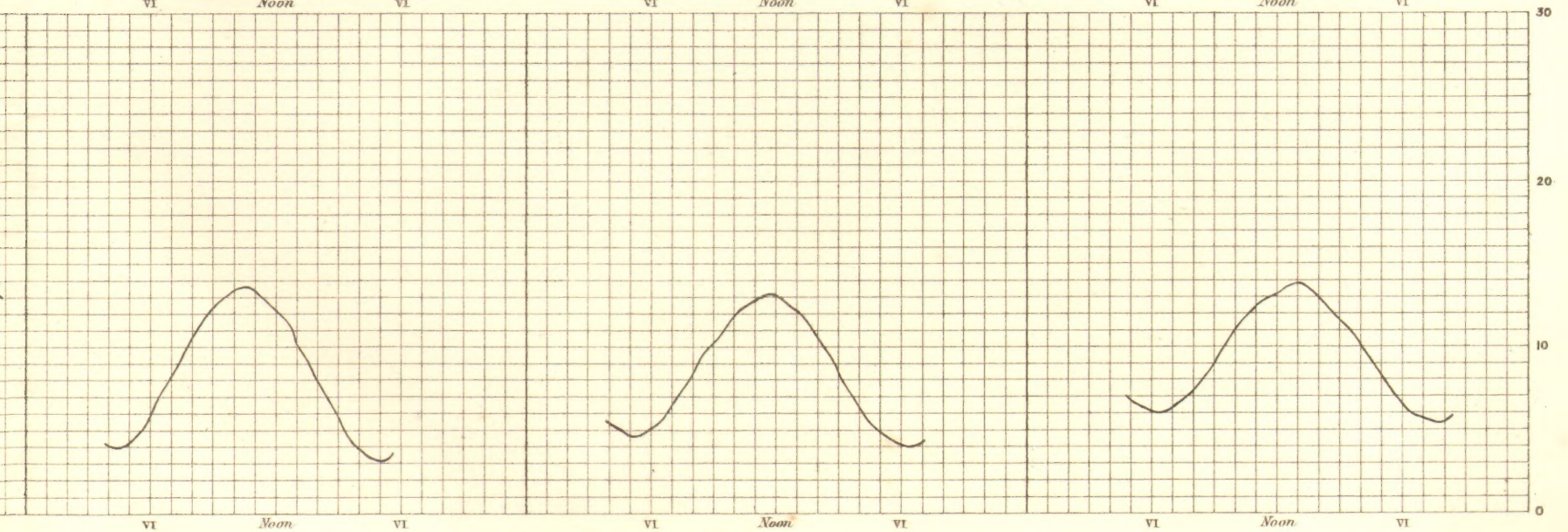
Nov. 11th
Wind S.W. Light breeze
Noon

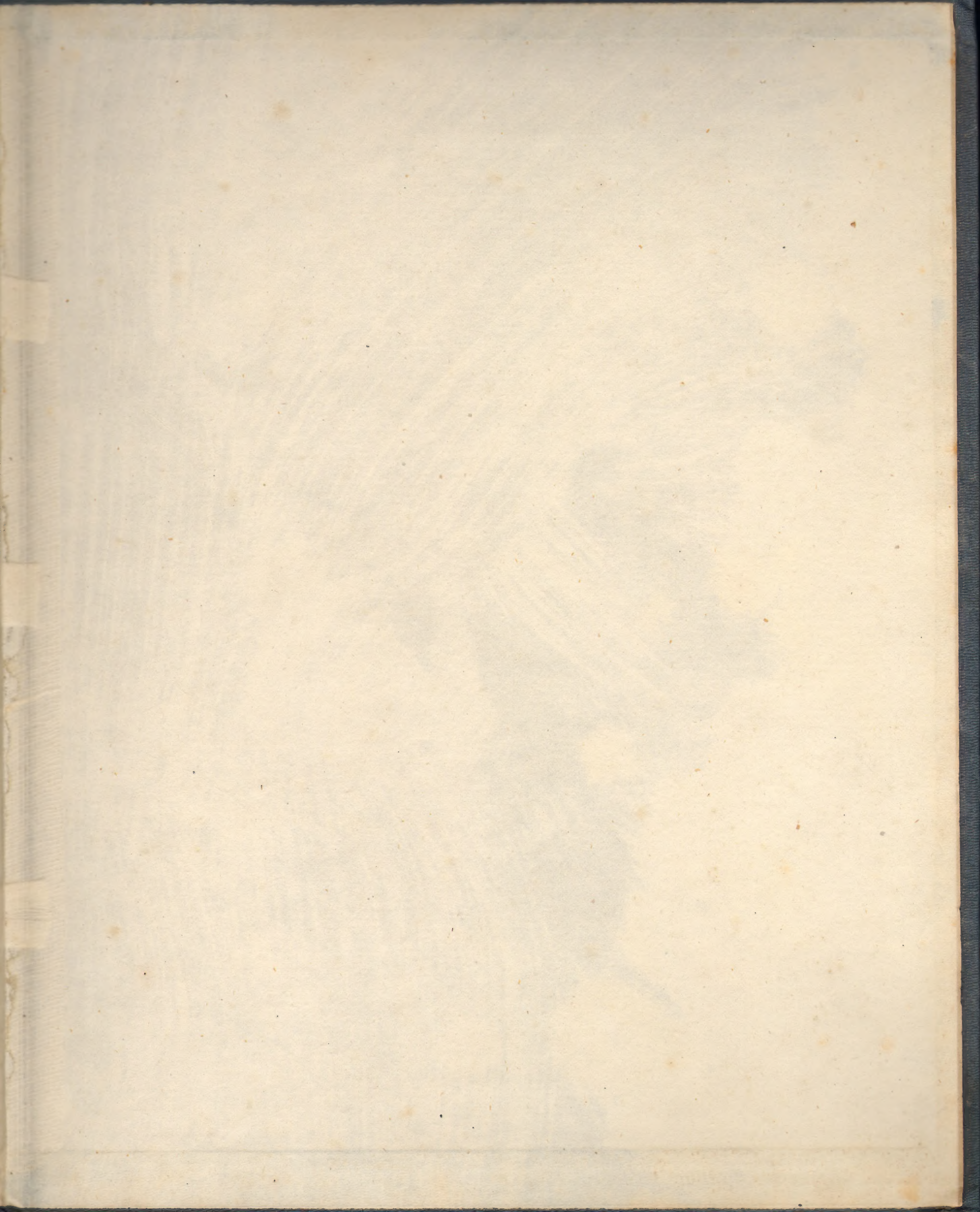


Nov. 15th
Wind S. Calm
Noon

Nov. 16th
Wind S.E. Calm
Noon

Nov. 17th
Wind S.E. Rough
Noon





LEVELLING IN SCOTLAND — PLATES.